Mitsunori Fukuda

List of Publications by Year in Descending Order

350 papers	25,224 citations	72 h-index	147 g-index
446 ext. papers	28,683 ext. citations	5.2 avg, IF	6.97 L-index

#	Paper	IF	Citations
350	Rab39 and its effector UACA regulate basolateral exosome release from polarized epithelial cells. *Cell Reports*, **2022**, 39, 110875	10.6	1
349	The endocytic pathway taken by cationic substances requires Rab14 but not Rab5 and Rab7. *Cell Reports*, **2021**, 37, 109945	10.6	2
348	ALIX and ceramide differentially control polarized small extracellular vesicle release from epithelial cells. *EMBO Reports*, **2021**, 22, e51475	6.5	7
347	The N-terminal Leu-Pro-Gln sequence of Rab34 is required for ciliogenesis in hTERT-RPE1 cells. *Small GTPases*, **2021**, 1-7	2.7	0
346	Biochemical and structural insights into Rab12 interactions with RILP and its family members. *Scientific Reports*, **2021**, 11, 10317	4.9	0
345	Rab family of small GTPases: an updated view on their regulation and functions. *FEBS Journal*, **2021**, 288, 36-55	5.7	69
344	Rab GTPases: Key players in melanosome biogenesis, transport, and transfer. *Pigment Cell and Melanoma Research*, **2021**, 34, 222-235	4.5	7
343	Methods for Establishing Rab Knockout MDCK Cells. *Methods in Molecular Biology*, **2021**, 2293, 243-256	1.4	0
342	Knockout analysis of Rab6 effector proteins revealed the role of VPS52 in the secretory pathway. *Biochemical and Biophysical Research Communications*, **2021**, 561, 151-157	3.4	1
341	Rab34 GTPase mediates ciliary membrane formation in the intracellular ciliogenesis pathway. *Current Biology*, **2021**, 31, 2895-2905.e7	6.3	5
340	Tuba Activates Cdc42 during Neuronal Polarization Downstream of the Small GTPase Rab8a. *Journal of Neuroscience*, **2021**, 41, 1636-1649	6.6	1
339	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
338	Griscelli Syndrome Type 2 Sine Albinism: Unraveling Differential RAB27A Effector Engagement. *Frontiers in Immunology*, **2020**, 11, 612977	8.4	6
337	Rab7B/42 Is Functionally Involved in Protein Degradation on Melanosomes in Keratinocytes. *Cell Structure and Function*, **2020**, 45, 45-55	2.2	9
336	Isoform-dependent subcellular localization of LMTK1A and LMTK1B and their roles in axon outgrowth and spine formation. *Journal of Biochemistry*, **2020**, 168, 23-32	3.1	2
335	ALS2, the small GTPase Rab17-interacting protein, regulates maturation and sorting of Rab17-associated endosomes. *Biochemical and Biophysical Research Communications*, **2020**, 523, 908-915	3.4	2
334	An ultra-stable cytoplasmic antibody engineered for in vivo applications. *Nature Communications*, **2020**, 11, 336	17.4	8

333	Recent advances in understanding the molecular basis of melanogenesis in melanocytes. *F1000Research*, **2020**, 9,	3.6	18
332	Rab35-GEFs, DENND1A and folliculin differentially regulate podocalyxin trafficking in two- and three-dimensional epithelial cell cultures. *Journal of Biological Chemistry*, **2020**, 295, 3652-3663	5.4	3
331	Unveiling the interaction between the molecular motor Myosin Vc and the small GTPase Rab3A. *Journal of Proteomics*, **2020**, 212, 103549	3.9	6
330	Roles of lysosomotropic agents on LRRK2 activation and Rab10 phosphorylation. *Neurobiology of Disease*, **2020**, 145, 105081	7.5	18
329	An autophagy-dependent tubular lysosomal network synchronizes degradative activity required for muscle remodeling. *Journal of Cell Science*, **2020**, 133,	5.3	1
328	The dynamic structure of Rab35 is stabilized in the presence of GTP under physiological conditions. *Biochemistry and Biophysics Reports*, **2020**, 23, 100776	2.2	1
327	Androgen Receptor Signaling Reduces the Efficacy of Bacillus Calmette-Guérin Therapy for Bladder Cancer via Modulating Rab27b-Induced Exocytosis. *Molecular Cancer Therapeutics*, **2020**, 19, 1930-1942	6.1	9
326	A comprehensive analysis of Rab GTPases reveals a role for Rab34 in serum starvation-induced primary ciliogenesis. *Journal of Biological Chemistry*, **2020**, 295, 12674-12685	5.4	7
325	Rab35 and its effectors promote formation of tunneling nanotubes in neuronal cells. *Scientific Reports*, **2020**, 10, 16803	4.9	13
324	Rab10 regulates tubular endosome formation through KIF13A and KIF13B motors. *Journal of Cell Science*, **2019**, 132,	5.3	37
323	Extracellular □synuclein enters dopaminergic cells by modulating flotillin-1-assisted dopamine transporter endocytosis. *FASEB Journal*, **2019**, 33, 10240-10256	0.9	10
322	CD2-associated protein (CD2AP) overexpression accelerates amyloid precursor protein (APP) transfer from early endosomes to the lysosomal degradation pathway. *Journal of Biological Chemistry*, **2019**, 294, 10886-10899	5.4	18
321	Small Interfering RNA Screening for the Small GTPase Rab Proteins Identifies Rab5B as a Major Regulator of Hepatitis B Virus Production. *Journal of Virology*, **2019**, 93,	6.6	7
320	Comprehensive knockout analysis of the Rab family GTPases in epithelial cells. *Journal of Cell Biology*, **2019**, 218, 2035-2050	7.3	33
319	The BLOC-3 subunit HPS4 is required for activation of Rab32/38 GTPases in melanogenesis, but its Rab9 activity is dispensable for melanogenesis. *Journal of Biological Chemistry*, **2019**, 294, 6912-6922	5.4	10
318	Specific TBC Domain-Containing Proteins Control the ER-Golgi-Plasma Membrane Trafficking of GPCRs. *Cell Reports*, **2019**, 28, 554-566.e4	10.6	17
317	The host cell secretory pathway mediates the export of Leishmania virulence factors out of the parasitophorous vacuole. *PLoS Pathogens*, **2019**, 15, e1007982	7.6	18
316	The LMTK1-TBC1D9B-Rab11A Cascade Regulates Dendritic Spine Formation via Endosome Trafficking. *Journal of Neuroscience*, **2019**, 39, 9491-9502	6.6	12

315	Cytoplasmic control of Rab family small GTPases through BAG6. *EMBO Reports*, **2019**, 20,	6.5	11
314	Rab5 activation on macropinosomes requires ALS2, and subsequent Rab5 inactivation through ALS2 detachment requires active Rab7. *FEBS Letters*, **2019**, 593, 230-241	3.8	6
313	Rab7 knockout unveils regulated autolysosome maturation induced by glutamine starvation. *Journal of Cell Science*, **2018**, 131,	5.3	19
312	Molecular mechanisms of Streptococcus pneumoniae-targeted autophagy via pneumolysin, Golgi-resident Rab41, and Nedd4-1-mediated K63-linked ubiquitination. *Cellular Microbiology*, **2018**, 20, e12846	3.9	19
311	Parkinson病 disease-linked DNAJC13 mutation aggravates alpha-synuclein-induced neurotoxicity through perturbation of endosomal trafficking. *Human Molecular Genetics*, **2018**, 27, 823-836	5.6	25
310	Imaging FITC-dextran as a Reporter for Regulated Exocytosis. *Journal of Visualized Experiments*, **2018**,	1.6	4
309	SNARE dynamics during melanosome maturation. *Biochemical Society Transactions*, **2018**, 46, 911-917	5.1	4
308	Rab20, a novel Rab small GTPase that negatively regulates neurite outgrowth of PC12 cells. *Neuroscience Letters*, **2018**, 662, 324-330	3.3	7
307	Calpain-10 regulates actin dynamics by proteolysis of microtubule-associated protein 1B. *Scientific Reports*, **2018**, 8, 16756	4.9	8
306	Revisiting Rab7 Functions in Mammalian Autophagy: Rab7 Knockout Studies. *Cells*, **2018**, 7,	7.9	33
305	Rab11a-Rab8a cascade regulates the formation of tunneling nanotubes through vesicle recycling. *Journal of Cell Science*, **2018**, 131,	5.3	22
304	LRRK2 and its substrate Rab GTPases are sequentially targeted onto stressed lysosomes and maintain their homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E9115-E9124	11.5	122
303	Parkin promotes proteasomal degradation of synaptotagmin IV by accelerating polyubiquitination. *Molecular and Cellular Neurosciences*, **2017**, 80, 89-99	4.8	13
302	Rab32 subfamily small GTPases: pleiotropic Rabs in endosomal trafficking. *Journal of Biochemistry*, **2017**, 162, 65-71	3.1	17
301	M-INK, a novel tool for visualizing melanosomes and melanocores. *Journal of Biochemistry*, **2017**, 161, 323-326	3.1	4
300	C9orf72 and RAB7L1 regulate vesicle trafficking in amyotrophic lateral sclerosis and frontotemporal dementia. *Brain*, **2017**, 140, 887-897	11.2	94
299	Cdk5 Regulation of the GRAB-Mediated Rab8-Rab11 Cascade in Axon Outgrowth. *Journal of Neuroscience*, **2017**, 37, 790-806	6.6	31
298	The GTPase Rab43 Controls the Anterograde ER-Golgi Trafficking and Sorting of GPCRs. *Cell Reports*, **2017**, 21, 1089-1101	10.6	30

297	TBC1D12 is a novel Rab11-binding protein that modulates neurite outgrowth of PC12 cells. *PLoS ONE*, **2017**, 12, e0174883	3.7	13
296	Roles of Rab-GAPs in Regulating Autophagy **2017**, 143-157		1
295	The RAB2B-GARIL5 Complex Promotes Cytosolic DNA-Induced Innate Immune Responses. *Cell Reports*, **2017**, 20, 2944-2954	10.6	14
294	Rab5 is critical for SNAP23 regulated granule-granule fusion during compound exocytosis. *Scientific Reports*, **2017**, 7, 15315	4.9	13
293	Genetic screen in Drosophila muscle identifies autophagy-mediated T-tubule remodeling and a Rab2 role in autophagy. *ELife*, **2017**, 6,	8.9	57
292	Multiple Roles of VARP in Endosomal Trafficking: Rabs, Retromer Components and R-SNARE VAMP7 Meet on VARP. *Traffic*, **2016**, 17, 709-19	5.7	20
291	Regulation of podocalyxin trafficking by Rab small GTPases in epithelial cells. *Small GTPases*, **2016**, 7, 231-238	2.7	3
290	Rab3A, a possible marker of cortical granules, participates in cortical granule exocytosis in mouse eggs. *Experimental Cell Research*, **2016**, 347, 42-51	4.2	12
289	Multiple Types of Guanine Nucleotide Exchange Factors (GEFs) for Rab Small GTPases. *Cell Structure and Function*, **2016**, 41, 61-79	2.2	42
288	Rab12 Regulates Retrograde Transport of Mast Cell Secretory Granules by Interacting with the RILP-Dynein Complex. *Journal of Immunology*, **2016**, 196, 1091-101	5.3	20
287	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
286	Differing susceptibility to autophagic degradation of two LC3-binding proteins: SQSTM1/p62 and TBC1D25/OATL1. *Autophagy*, **2016**, 12, 312-26	10.2	12
285	RUTBC1 Functions as a GTPase-activating Protein for Rab32/38 and Regulates Melanogenic Enzyme Trafficking in Melanocytes. *Journal of Biological Chemistry*, **2016**, 291, 1427-40	5.4	28
284	Mon1-Ccz1 activates Rab7 only on late endosomes and dissociates from the lysosome in mammalian cells. *Journal of Cell Science*, **2016**, 129, 329-40	5.3	32
283	Slp (Synaptotagmin-Like Protein) **2016**, 1-8		
282	P53- and mevalonate pathway–driven malignancies require Arf6 for metastasis and drug resistance. *Journal of Experimental Medicine*, **2016**, 213, 2135OIA33	16.6	
281	Rab35 Functions in Axon Elongation Are Regulated by P53-Related Protein Kinase in a Mechanism That Involves Rab35 Protein Degradation and the Microtubule-Associated Protein 1B. *Journal of Neuroscience*, **2016**, 36, 7298-313	6.6	28
280	Lysosome-Related Organelles **2016**, 235-242		2

279	Release of Infectious Hepatitis C Virus from Huh7 Cells Occurs via a trans-Golgi Network-to-Endosome Pathway Independent of Very-Low-Density Lipoprotein Secretion. *Journal of Virology*, **2016**, 90, 7159-70	6.6	35
278	P53- and mevalonate pathway-driven malignancies require Arf6 for metastasis and drug resistance. *Journal of Cell Biology*, **2016**, 213, 81-95	7.3	39
277	A Varp-Binding Protein, RACK1, Regulates Dendrite Outgrowth through Stabilization of Varp Protein in Mouse Melanocytes. *Journal of Investigative Dermatology*, **2016**, 136, 1672-1680	4.3	11
276	Regulation of podocalyxin trafficking by Rab small GTPases in 2D and 3D epithelial cell cultures. *Journal of Cell Biology*, **2016**, 213, 355-69	7.3	61
275	Sequential and compartmentalized action of Rabs, SNAREs, and MAL in the apical delivery of fusiform vesicles in urothelial umbrella cells. *Molecular Biology of the Cell*, **2016**, 27, 1621-34	3.5	17
274	Rabin8 regulates neurite outgrowth in both GEF activity-dependent and -independent manners. *Molecular Biology of the Cell*, **2016**, 27, 2107-18	3.5	52
273	Acute accumulation of free cholesterol induces the degradation of perilipin 2 and Rab18-dependent fusion of ER and lipid droplets in cultured human hepatocytes. *Molecular Biology of the Cell*, **2016**, 27, 3293-3304	3.5	17
272	Slp2-a inactivates ezrin by recruiting protein phosphatase 1 to the plasma membrane. *Biochemical and Biophysical Research Communications*, **2015**, 460, 896-902	3.4	1
271	The small GTPase Rab33A participates in regulation of amylase release from parotid acinar cells. *Biochemical and Biophysical Research Communications*, **2015**, 461, 469-74	3.4	8
270	Atg16L1 Protein Regulates Hormone Secretion Independent of Autophagy **2015**, 103-113		
269	Functional analysis of Rab27A and its effector Slp2-a in renal epithelial cells. *Methods in Molecular Biology*, **2015**, 1298, 127-39	1.4	4
268	Rab40C is a novel Varp-binding protein that promotes proteasomal degradation of Varp in melanocytes. *Biology Open*, **2015**, 4, 267-75	2.2	20
267	Rabin8 suppresses autophagosome formation independently of its guanine nucleotide-exchange activity towards Rab8. *Journal of Biochemistry*, **2015**, 158, 139-53	3.1	10
266	Small GTPase Rab2B and Its Specific Binding Protein Golgi-associated Rab2B Interactor-like 4 (GARI-L4) Regulate Golgi Morphology. *Journal of Biological Chemistry*, **2015**, 290, 22250-61	5.4	35
265	Rab1A regulates anterograde melanosome transport by recruiting kinesin-1 to melanosomes through interaction with SKIP. *Scientific Reports*, **2015**, 5, 8238	4.9	27
264	Rab27A regulates transport of cell surface receptors modulating multinucleation and lysosome-related organelles in osteoclasts. *Scientific Reports*, **2015**, 5, 9620	4.9	38
263	Investigating mast cell secretory granules; from biosynthesis to exocytosis. *Journal of Visualized Experiments*, **2015**, 52505	1.6	7
262	Activation-Inactivation Cycling of Rab35 and ARF6 Is Required for Phagocytosis of Zymosan in RAW264 Macrophages. *Journal of Immunology Research*, **2015**, 2015, 429439	4.5	32

261	Structure-function analyses of the small GTPase Rab35 and its effector protein centaurin-2/ACAP2 during neurite outgrowth of PC12 cells. *Journal of Biological Chemistry*, **2015**, 290, 9064-74	5.4	14
260	Measurement of Rab35 activity with the GTP-Rab35 trapper RBD35. *Methods in Molecular Biology*, **2015**, 1298, 207-16	1.4	12
259	Assay of Rab17 and its guanine nucleotide exchange factor Rabex-5 in the dendrites of hippocampal neurons. *Methods in Molecular Biology*, **2015**, 1298, 233-43	1.4	1
258	Leishmania promastigotes induce cytokine secretion in macrophages through the degradation of synaptotagmin XI. *Journal of Immunology*, **2014**, 193, 2363-72	5.3	37
257	Dennd3 functions as a guanine nucleotide exchange factor for small GTPase Rab12 in mouse embryonic fibroblasts. *Journal of Biological Chemistry*, **2014**, 289, 13986-95	5.4	9
256	Atmospheric scanning electron microscope system with an open sample chamber: configuration and applications. *Ultramicroscopy*, **2014**, 147, 86-97	3.1	32
255	Lys-63-linked ubiquitination by E3 ubiquitin ligase Nedd4-1 facilitates endosomal sequestration of internalized synuclein. *Journal of Biological Chemistry*, **2014**, 289, 18137-51	5.4	42
254	Identification of molecular heterogeneity in SNX27-retromer-mediated endosome-to-plasma-membrane recycling. *Journal of Cell Science*, **2014**, 127, 4940-53	5.3	69
253	Slp2-a controls renal epithelial cell size through regulation of Rap-ezrin signaling independently of Rab27. *Journal of Cell Science*, **2014**, 127, 557-70	5.3	7
252	Rab5 is a novel regulator of mast cell secretory granules: impact on size, cargo, and exocytosis. *Journal of Immunology*, **2014**, 192, 4043-53	5.3	36
251	Rab35 is translocated from Arf6-positive perinuclear recycling endosomes to neurite tips during neurite outgrowth. *Small GTPases*, **2014**, 5, e29290	2.7	20
250	Small GTPase Rab17 regulates the surface expression of kainate receptors but not amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors in hippocampal neurons via dendritic trafficking of Syntaxin-4 protein. *Journal of Biological Chemistry*, **2014**, 289, 20773-87	5.4	12
249	Methods of analysis of the membrane trafficking pathway from recycling endosomes to lysosomes. *Methods in Enzymology*, **2014**, 534, 195-206	1.7	4
248	The GTPase-deficient Rab27A(Q78L) mutant inhibits melanosome transport in melanocytes through trapping of Rab27A effector protein Slac2-a/melanophilin in their cytosol: development of a novel melanosome-targetinG tag. *Journal of Biological Chemistry*, **2014**, 289, 11059-11067	5.4	10
247	Rab35 promotes the recruitment of Rab8, Rab13 and Rab36 to recycling endosomes through MICAL-L1 during neurite outgrowth. *Biology Open*, **2014**, 3, 803-14	2.2	62
246	Rab13 acts downstream of the kinase Mst1 to deliver the integrin LFA-1 to the cell surface for lymphocyte trafficking. *Science Signaling*, **2014**, 7, ra72	8.8	50
245	TBC1D9B functions as a GTPase-activating protein for Rab11a in polarized MDCK cells. *Molecular Biology of the Cell*, **2014**, 25, 3779-97	3.5	26
244	LMTK1 regulates dendritic formation by regulating movement of Rab11A-positive endosomes. *Molecular Biology of the Cell*, **2014**, 25, 1755-68	3.5	25

243	Inhibition of endocytic vesicle fusion by Plk1-mediated phosphorylation of vimentin during mitosis. *Cell Cycle*, **2014**, 13, 126-37	4.7	10
242	Rab27 effectors, pleiotropic regulators in secretory pathways. *Traffic*, **2013**, 14, 949-63	5.7	137
241	Syntaxin-3 is required for melanosomal localization of Tyrp1 in melanocytes. *Journal of Investigative Dermatology*, **2013**, 133, 2237-46	4.3	21
240	Arf6, Rab11 and transferrin receptor define distinct populations of recycling endosomes. *Communicative and Integrative Biology*, **2013**, 6, e25036	1.7	30
239	The extra-cellular signal regulated kinases ERK1 and ERK2 segregate displaying distinct spatiotemporal characteristics in activated mast cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 2070-82	4.9	4
238	Dab1-mediated colocalization of multi-adaptor protein CIN85 with Reelin receptors, ApoER2 and VLDLR, in neurons. *Genes To Cells*, **2013**, 18, 410-24	2.3	7
237	Rab12 regulates mTORC1 activity and autophagy through controlling the degradation of amino-acid transporter PAT4. *EMBO Reports*, **2013**, 14, 450-7	6.5	59
236	Small GTPase Rab39A interacts with UACA and regulates the retinoic acid-induced neurite morphology of Neuro2A cells. *Biochemical and Biophysical Research Communications*, **2013**, 435, 113-9	3.4	16
235	MADD/DENN/Rab3GEP functions as a guanine nucleotide exchange factor for Rab27 during granule exocytosis of rat parotid acinar cells. *Archives of Biochemistry and Biophysics*, **2013**, 536, 31-7	4.1	18
234	Rabex-5 protein regulates dendritic localization of small GTPase Rab17 and neurite morphogenesis in hippocampal neurons. *Journal of Biological Chemistry*, **2013**, 288, 9835-9847	5.4	35
233	NDR2-mediated Rabin8 phosphorylation is crucial for ciliogenesis by switching binding specificity from phosphatidylserine to Sec15. *EMBO Journal*, **2013**, 32, 874-85	13	75
232	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. *Journal of Cell Biology*, **2013**, 203, 115-28	7.3	201
231	Rab35 establishes the EHD1-association site by coordinating two distinct effectors during neurite outgrowth. *Journal of Cell Science*, **2013**, 126, 2424-35	5.3	48
230	All members of the EPI64 subfamily of TBC/RabGAPs also have GAP activities towards Ras. *Journal of Biochemistry*, **2013**, 153, 283-8	3.1	7
229	Synaptotagmin XI regulates phagocytosis and cytokine secretion in macrophages. *Journal of Immunology*, **2013**, 190, 1737-45	5.3	36
228	Rabex-5 determines the neurite localization of its downstream Rab proteins in hippocampal neurons. *Communicative and Integrative Biology*, **2013**, 6, e25433	1.7	5
227	Fis1 acts as a mitochondrial recruitment factor for TBC1D15 that is involved in regulation of mitochondrial morphology. *Journal of Cell Science*, **2013**, 126, 176-85	5.3	86
226	The GTPase Rab37 Participates in the Control of Insulin Exocytosis. *PLoS ONE*, **2013**, 8, e68255	3.7	28

225	An ARF6/Rab35 GTPase cascade for endocytic recycling and successful cytokinesis. *Current Biology*, **2012**, 22, 147-53	6.3	114
224	Rab33a mediates anterograde vesicular transport for membrane exocytosis and axon outgrowth. *Journal of Neuroscience*, **2012**, 32, 12712-25	6.6	42
223	Decoding the regulation of mast cell exocytosis by networks of Rab GTPases. *Journal of Immunology*, **2012**, 189, 2169-80	5.3	37
222	A complete Rab screening reveals novel insights in Weibel-Palade body exocytosis. *Journal of Cell Science*, **2012**, 125, 4780-90	5.3	59
221	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	11.2	2783
220	Small GTPase Rab17 regulates dendritic morphogenesis and postsynaptic development of hippocampal neurons. *Journal of Biological Chemistry*, **2012**, 287, 8963-73	5.4	38
219	Synaptotagmin-like proteins control the formation of a single apical membrane domain in epithelial cells. *Nature Cell Biology*, **2012**, 14, 838-49	23.4	98
218	Molecular mechanism of myosin Va recruitment to dense core secretory granules. *Traffic*, **2012**, 13, 54-69	5.7	39
217	Rab27 effector Slp2-a transports the apical signaling molecule podocalyxin to the apical surface of MDCK II cells and regulates claudin-2 expression. *Molecular Biology of the Cell*, **2012**, 23, 3229-39	3.5	33
216	LMTK1/AATYK1 is a novel regulator of axonal outgrowth that acts via Rab11 in a Cdk5-dependent manner. *Journal of Neuroscience*, **2012**, 32, 6587-99	6.6	54
215	Melanoregulin regulates retrograde melanosome transport through interaction with the RILP-p150Glued complex in melanocytes. *Journal of Cell Science*, **2012**, 125, 1508-18	5.3	43
214	Role of Rab family GTPases and their effectors in melanosomal logistics. *Journal of Biochemistry*, **2012**, 151, 343-51	3.1	48
213	The Rab interacting lysosomal protein (RILP) homology domain functions as a novel effector domain for small GTPase Rab36: Rab36 regulates retrograde melanosome transport in melanocytes. *Journal of Biological Chemistry*, **2012**, 287, 28619-31	5.4	56
212	Intracellular trafficking of Clostridium perfringens iota-toxin b. *Infection and Immunity*, **2012**, 80, 3410-6	3.7	22
211	Phospholipase C-related but catalytically inactive protein (PRIP) modulates synaptosomal-associated protein 25 (SNAP-25) phosphorylation and exocytosis. *Journal of Biological Chemistry*, **2012**, 287, 10565-10578	5.4	20
210	Rab35 regulates Arf6 activity through centaurin-β2 (ACAP2) during neurite outgrowth. *Journal of Cell Science*, **2012**, 125, 2235-43	5.3	103
209	The Rab21-GEF activity of Varp, but not its Rab32/38 effector function, is required for dendrite formation in melanocytes. *Molecular Biology of the Cell*, **2012**, 23, 669-78	3.5	19
208	Functional involvement of Rab1A in microtubule-dependent anterograde melanosome transport in melanocytes. *Journal of Cell Science*, **2012**, 125, 5177-87	5.3	35

207	Atg16L1, an essential factor for canonical autophagy, participates in hormone secretion from PC12 cells independently of autophagic activity. *Molecular Biology of the Cell*, **2012**, 23, 3193-202	3.5	51
206	Essential role of RAB27A in determining constitutive human skin color. *PLoS ONE*, **2012**, 7, e41160	3.7	22
205	Rab38, Varp and VAMP7 interactions define a biased trafficking pathway in lung alveolar type II cell. *FASEB Journal*, **2012**, 26, 780.3	0.9	
204	Dissociation of inositol polyphosphates from the C2B domain of synaptotagmin facilitates spontaneous release of catecholamines in adrenal chromaffin cells. A suggestive evidence of a fusion clamp by synaptotagmin. *Neuropharmacology*, **2011**, 60, 1364-70	5.5	7
203	Genome-wide investigation of the Rab binding activity of RUN domains: development of a novel tool that specifically traps GTP-Rab35. *Cell Structure and Function*, **2011**, 36, 155-70	2.2	59
202	The recycling endosome protein Rab17 regulates melanocytic filopodia formation and melanosome trafficking. *Traffic*, **2011**, 12, 627-43	5.7	65
201	Small GTPase Rab12 regulates constitutive degradation of transferrin receptor. *Traffic*, **2011**, 12, 1432-43	5.7	68
200	Exome sequencing reveals a homozygous SYT14 mutation in adult-onset, autosomal-recessive spinocerebellar ataxia with psychomotor retardation. *American Journal of Human Genetics*, **2011**, 89, 320-7	11	60
199	Synaptotagmin IV acts as a multi-functional regulator of Ca2+-dependent exocytosis. *Neurochemical Research*, **2011**, 36, 1222-7	4.6	9
198	Differential distribution of synaptotagmin-1, -4, -7, and -9 in rat adrenal chromaffin cells. *Cell and Tissue Research*, **2011**, 344, 41-50	4.2	12
197	Exclusion of synaptotagmin V at the phagocytic cup by Leishmania donovani lipophosphoglycan results in decreased promastigote internalization. *Microbiology (United Kingdom)*, **2011**, 157, 2619-2628	2.9	18
196	Small GTPase Rab12 regulates transferrin receptor degradation: Implications for a novel membrane trafficking pathway from recycling endosomes to lysosomes. *Cellular Logistics*, **2011**, 1, 155-158		17
195	EPI64 protein functions as a physiological GTPase-activating protein for Rab27 protein and regulates amylase release in rat parotid acinar cells. *Journal of Biological Chemistry*, **2011**, 286, 33854-62	5.4	16
194	Rab35 regulates phagosome formation through recruitment of ACAP2 in macrophages during FcR-mediated phagocytosis. *Journal of Cell Science*, **2011**, 124, 3557-67	5.3	62
193	Structure-function analysis of VPS9-ankyrin-repeat protein (Varp) in the trafficking of tyrosinase-related protein 1 in melanocytes. *Journal of Biological Chemistry*, **2011**, 286, 7507-21	5.4	54
192	A possible role of Atg8 homologs as a scaffold for signal transduction. *Autophagy*, **2011**, 7, 1080-1	10.2	1
191	OATL1, a novel autophagosome-resident Rab33B-GAP, regulates autophagosomal maturation. *Journal of Cell Biology*, **2011**, 192, 839-53	7.3	128
190	Atg16L2, a novel isoform of mammalian Atg16L that is not essential for canonical autophagy despite forming an Atg12–16L2 complex. *Autophagy*, **2011**, 7, 1500-13	10.2	68

189	TBC proteins: GAPs for mammalian small GTPase Rab?. *Bioscience Reports*, **2011**, 31, 159-68	4.1	135
188	Rab38 targets to lamellar bodies and normalizes their sizes in lung alveolar type II epithelial cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2011**, 301, L461-77	5.8	28
187	Role of the polybasic sequence in the Doc2alpha C2B domain in dense-core vesicle exocytosis in PC12 cells. *Journal of Neurochemistry*, **2010**, 114, 171-81	6	19
186	Storage of GABA in chromaffin granules and not in synaptic-like microvesicles in rat adrenal medullary cells. *Journal of Neurochemistry*, **2010**, 114, 617-26	6	11
185	Comprehensive screening for novel rab-binding proteins by GST pull-down assay using 60 different mammalian Rabs. *Traffic*, **2010**, 11, 491-507	5.7	86
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23	Selective photoaffinity labeling of the inositol polyphosphate binding C2B domains of synaptotagmins. *Journal of Biological Chemistry*, **1997**, 272, 4237-44	5.4	32
22	Distinct roles of C2A and C2B domains of synaptotagmin in the regulation of exocytosis in adrenal chromaffin cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 287-91	11.5	72
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17	Roles of synaptotagmin C2 domains in neurotransmitter secretion and inositol high-polyphosphate binding at mammalian cholinergic synapses. *Neuroscience*, **1997**, 77, 937-43	3.9	57
16	The first C2 domain of synaptotagmin is required for exocytosis of insulin from pancreatic beta-cells: action of synaptotagmin at low micromolar calcium. *EMBO Journal*, **1997**, 16, 5837-46	13	107
15	The function of inositol high polyphosphate binding proteins. *BioEssays*, **1997**, 19, 593-603	4.1	96
14	Mutation of the pleckstrin homology domain of Bruton's tyrosine kinase in immunodeficiency impaired inositol 1,3,4,5-tetrakisphosphate binding capacity. *Journal of Biological Chemistry*, **1996**, 271, 30303-6	5.4	161
13	Calcium-dependent phospholipid binding to the C2A domain of a ubiquitous form of double C2 protein (Doc2 beta). *Journal of Biochemistry*, **1996**, 120, 671-6	3.1	43
12	Phospholipid composition dependence of Ca2+-dependent phospholipid binding to the C2A domain of synaptotagmin IV. *Journal of Biological Chemistry*, **1996**, 271, 8430-4	5.4	80
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10	Functional diversity of C2 domains of synaptotagmin family. Mutational analysis of inositol high polyphosphate binding domain. *Journal of Biological Chemistry*, **1995**, 270, 26523-7	5.4	156

List of Publications

9	Role of the C2B domain of synaptotagmin in vesicular release and recycling as determined by specific antibody injection into the squid giant synapse preterminal. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 10708-12	11.5	146
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7	The pH-dependent swinging-out of the distal histidine residue in ferric hemoglobin of a midge larva (Tokunagayusurika akamusi). *BBA - Proteins and Proteomics*, **1994**, 1208, 306-9		17
6	Synaptotagmin is an inositol polyphosphate binding protein: isolation and characterization as an Ins 1,3,4,5-P4 binding protein. *Biochemical and Biophysical Research Communications*, **1994**, 205, 1036-42	3.4	62
5	The inositol high-polyphosphate series blocks synaptic transmission by preventing vesicular fusion: a squid giant synapse study. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 12990-3	11.5	86
4	Polymorphic hemoglobin from a midge larva (Tokunagayusurika akamusi) can be divided into two different types. *Biochimica Et Biophysica Acta - General Subjects*, **1993**, 1157, 185-91	4	21
3	An Autophagy-Dependent Tubular Lysosomal Network Synchronizes Degradative Activity Required for Muscle Remodeling		2
2	Roles of lysosomotropic agents on LRRK2 activation and Rab10 phosphorylation		1
1	Rab34 GTPase mediates ciliary membrane biogenesis in the intracellular ciliogenesis pathway		1