Hideyuki Mukai

List of Publications by Citations

43 papers	1,548 citations	21 h-index	39 g-index
43 ext. papers	1,675 ext. citations	3.9 avg, IF	4 L-index

#	Paper	IF	Citations
43	Characterization of a novel giant scaffolding protein, CG-NAP, that anchors multiple signaling enzymes to centrosome and the golgi apparatus. *Journal of Biological Chemistry*, **1999**, 274, 17267-74	5.4	197
42	Centrosomal proteins CG-NAP and kendrin provide microtubule nucleation sites by anchoring gamma-tubulin ring complex. *Molecular Biology of the Cell*, **2002**, 13, 3235-45	3.5	194
41	The structure and function of PKN, a protein kinase having a catalytic domain homologous to that of PKC. *Journal of Biochemistry*, **2003**, 133, 17-27	3.1	133
40	Interaction of PKN with alpha-actinin. *Journal of Biological Chemistry*, **1997**, 272, 4740-6	5.4	103
39	Association of immature hypophosphorylated protein kinase cepsilon with an anchoring protein CG-NAP. *Journal of Biological Chemistry*, **2000**, 275, 34592-6	5.4	72
38	PKN associates and phosphorylates the head-rod domain of neurofilament protein. *Journal of Biological Chemistry*, **1996**, 271, 9816-22	5.4	68
37	Domain-specific phosphorylation of vimentin and glial fibrillary acidic protein by PKN. *Biochemical and Biophysical Research Communications*, **1997**, 234, 621-5	3.4	60
36	A protein kinase, PKN, accumulates in Alzheimer neurofibrillary tangles and associated endoplasmic reticulum-derived vesicles and phosphorylates tau protein. *Journal of Neuroscience*, **1998**, 18, 7402-10	6.6	60
35	Comparative effects of GTPgammaS and insulin on the activation of Rho, phosphatidylinositol 3-kinase, and protein kinase N in rat adipocytes. Relationship to glucose transport. *Journal of Biological Chemistry*, **1998**, 273, 7470-7	5.4	56
34	Accumulation of tumor-suppressor PTEN in Alzheimer neurofibrillary tangles. *Neuroscience Letters*, **2010**, 471, 20-4	3.3	52
33	Characterization of the interaction between RhoA and the amino-terminal region of PKN. *FEBS Letters*, **1996**, 385, 221-4	3.8	52
32	Dual effects of PKNalpha and protein kinase C on phosphorylation of tau protein by glycogen synthase kinase-3beta. *Biochemical and Biophysical Research Communications*, **2000**, 273, 209-12	3.4	50
31	The role of the unique motifs in the amino-terminal region of PKN on its enzymatic activity. *Biochemical and Biophysical Research Communications*, **1996**, 220, 963-8	3.4	45
30	Protein kinase N3 promotes bone resorption by osteoclasts in response to Wnt5a-Ror2 signaling. *Science Signaling*, **2017**, 10,	8.8	36
29	Identification and characterization of PKNbeta, a novel isoform of protein kinase PKN: expression and arachidonic acid dependency are different from those of PKNalpha. *Biochemical and Biophysical Research Communications*, **1999**, 261, 808-14	3.4	33
28	PKN interacts with a paraneoplastic cerebellar degeneration-associated antigen, which is a potential transcription factor. *Experimental Cell Research*, **1998**, 241, 363-72	4.2	31
27	Protein kinase N1 is a novel substrate of NFATc1-mediated cyclin D1-CDK6 activity and modulates vascular smooth muscle cell division and migration leading to inward blood vessel wall remodeling. *Journal of Biological Chemistry*, **2012**, 287, 36291-304	5.4	29

26	PKN3 is the major regulator of angiogenesis and tumor metastasis in mice. *Scientific Reports*, **2016**, 6, 18979	4.9	27
25	Centrosome-targeting region of CG-NAP causes centrosome amplification by recruiting cyclin E-cdk2 complex. *Genes To Cells*, **2005**, 10, 75-86	2.3	26
24	PKN regulates phospholipase D1 through direct interaction. *Journal of Biological Chemistry*, **2001**, 276, 18096-101	5.4	23
23	Regulation of a mitogen-activated protein kinase kinase kinase, MLTK by PKN. *Journal of Biochemistry*, **2003**, 133, 181-7	3.1	22
22	Hypotonic swelling-induced activation of PKN1 mediates cell survival in cardiac myocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H191-200	5.2	19
21	Development of an intracellularly acting inhibitory peptide selective for PKN. *Biochemical Journal*, **2009**, 425, 445-53	3.8	17
20	Protein kinase PKN1 associates with TRAF2 and is involved in TRAF2-NF-kappaB signaling pathway. *Biochemical and Biophysical Research Communications*, **2004**, 314, 688-94	3.4	17
19	Interaction of PKN with a neuron-specific basic helix-loop-helix transcription factor, NDRF/NeuroD2. *Molecular Brain Research*, **1999**, 74, 126-34		16
18	Impaired lymphocyte trafficking in mice deficient in the kinase activity of PKN1. *Scientific Reports*, **2017**, 7, 7663	4.9	14
17	The role of PKN in the regulation of alphaB-crystallin expression via heat shock transcription factor 1. *Biochemical and Biophysical Research Communications*, **1998**, 252, 561-5	3.4	14
16	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. *Genes To Cells*, **2017**, 22, 220-236	2.3	13
15	Localization of PKN mRNA in the rat brain. *Molecular Brain Research*, **1998**, 59, 143-53		13
14	Involvement of protein kinase PKN1 in G2/M delay caused by arsenite. *Molecular Carcinogenesis*, **2005**, 43, 1-12	5	13
13	Turning off of GluN2B subunits and turning on of CICR in hippocampal LTD induction after developmental GluN2 subunit switch. *Hippocampus*, **2015**, 25, 1274-84	3.5	10
12	Purification and kinase assay of PKN. *Methods in Enzymology*, **2006**, 406, 234-50	1.7	9
11	S6 kinase phosphorylated at T229 is involved in tau and actin pathologies in Alzheimer's disease. *Neuropathology*, **2016**, 36, 325-32	2	7
10	Fragmentation of protein kinase N (PKN) in the hydrocephalic rat brain. *Acta Histochemica Et Cytochemica*, **2007**, 40, 113-21	1.9	6
9	Functional characterization of the promoter region of the mouse protein kinase C gamma gene. *FEBS Letters*, **1995**, 368, 276-8	3.8	4

8	PKN1 controls the aggregation, spheroid formation, and viability of mouse embryonic fibroblasts in suspension culture. *Biochemical and Biophysical Research Communications*, **2020**, 523, 398-404	3.4	2
7	PKN1 promotes synapse maturation by inhibiting mGluR-dependent silencing through neuronal glutamate transporter activation. *Communications Biology*, **2020**, 3, 710	6.7	2
6	PKN1 kinase-negative knock-in mice develop splenomegaly and leukopenia at advanced age without obvious autoimmune-like phenotypes. *Scientific Reports*, **2019**, 9, 13977	4.9	1
5	The protein kinase N (PKN) gene PRKCL1/Prkcl1 maps to human chromosome 19p12-p13.1 and mouse chromosome 8 with close linkage to the myodystrophy (myd) mutation. *Genomics*, **1998**, 49, 129-32	4.3	1
4	PKN2 is involved in aggregation and spheroid formation of fibroblasts in suspension culture by regulating cell motility and expression. *Biochemistry and Biophysics Reports*, **2021**, 25, 100895	2.2	1
3	Protein Kinase N Family Negatively Regulates Constitutive Androstane Receptor-Mediated Transcriptional Induction of Cytochrome P450 2b10 in the Livers of Mice. *Journal of Pharmacology and Experimental Therapeutics*, **2021**, 379, 53-63	4.7	0
2	Inhibitor of protein kinase N3 suppresses excessive bone resorption in ovariectomized mice.. *Journal of Bone and Mineral Metabolism*, **2022**, 40, 251	2.9	
1	Electrophysiological Technique for Analysis of Synaptic Function of PKN1 in Hippocampus. *Neuromethods*, **2012**, 349-360	0.4	