Hideyuki Mukai

List of Publications by Year
in descending order

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43 papers	1,784 citations	331538 21 h-index	265120 42 g-index
43 all docs	43 docs citations	43 times ranked	1799 citing authors

#	Article	IF	Citations
1	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, 17267-17274.	1.6	223
2	Centrosomal Proteins CG-NAP and Kendrin Provide Microtubule Nucleation Sites by Anchoring Î³-Tubulin Ring Complex. Molecular Biology of the Cell, 2002, 13, 3235-3245.	0.9	215
3	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.	0.9	148
4	Interaction of PKN with Î±-Actinin. Journal of Biological Chemistry, 1997, 272, 4740-4746.	1.6	111
5	Association of Immature Hypophosphorylated Protein Kinase CÎµ with an Anchoring Protein CG-NAP. Journal of Biological Chemistry, 2000, 275, 34592-34596.	1.6	83
6	PKN Associates and Phosphorylates the Head-Rod Domain of Neurofilament Protein. Journal of Biological Chemistry, 1996, 271, 9816-9822.	1.6	74
7	A Protein Kinase, PKN, Accumulates in Alzheimer Neurofibrillary Tangles and Associated Endoplasmic Reticulum-Derived Vesicles and Phosphorylates Tau Protein. Journal of Neuroscience, 1998, 18, 7402-7410.	1.7	68
8	Comparative Effects of GTPÎ³S and Insulin on the Activation of Rho, Phosphatidylinositol 3-Kinase, and Protein Kinase N in Rat Adipocytes. Journal of Biological Chemistry, 1998, 273, 7470-7477.	1.6	66
9	Domain-Specific Phosphorylation of Vimentin and Glial Fibrillary Acidic Protein by PKN. Biochemical and Biophysical Research Communications, 1997, 234, 621-625.	1.0	62
10	Accumulation of tumor-suppressor PTEN in Alzheimer neurofibrillary tangles. Neuroscience Letters, 2010, 471, 20-24.	1.0	62
11	Protein kinase N3 promotes bone resorption by osteoclasts in response to Wnt5a-Ror2 signaling. Science Signaling, 2017, 10, .	1.6	60
12	Characterization of the interaction between RhoA and the amino-terminal region of PKN. FEBS Letters, 1996, 385, 221-224.	1.3	58
13	Dual Effects of PKNÎ± and Protein Kinase C on Phosphorylation of Tau Protein by Glycogen Synthase Kinase-3Î². Biochemical and Biophysical Research Communications, 2000, 273, 209-212.	1.0	56
14	The Role of the Unique Motifs in the Amino-Terminal Region of PKN on Its Enzymatic Activity. Biochemical and Biophysical Research Communications, 1996, 220, 963-968.	1.0	48
15	Identification and Characterization of PKNÎ², a Novel Isoform of Protein Kinase PKN: Expression and Arachidonic Acid Dependency Are Different from Those of PKNÎ±. Biochemical and Biophysical Research Communications, 1999, 261, 808-814.	1.0	39
16	Centrosome-targeting region of CG-NAP causes centrosome amplification by recruiting cyclin E-cdk2 complex. Genes To Cells, 2004, 10, 75-86.	0.5	34
17	PKN3 is the major regulator of angiogenesis and tumor metastasis in mice. Scientific Reports, 2016, 6, 18979.	1.6	34
18	PKN Interacts with a Paraneoplastic Cerebellar Degeneration-Associated Antigen, Which Is a Potential Transcription Factor. Experimental Cell Research, 1998, 241, 363-372.	1.2	33

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19	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, 36291-36304.	1.6	32
20	Regulation of a Mitogen-Activated Protein Kinase Kinase Kinase, MLTK by PKN. Journal of Biochemistry, 2003, 133, 181-187.	0.9	31
21	PKN Regulates Phospholipase D1 through Direct Interaction. Journal of Biological Chemistry, 2001, 276, 18096-18101.	1.6	27
22	Development of an intracellularly acting inhibitory peptide selective for PKN. Biochemical Journal, 2010, 425, 445-543.	1.7	22
23	Hypotonic swelling-induced activation of PKN1 mediates cell survival in cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H191-H200.	1.5	20
24	Interaction of PKN with a neuron-specific basic Helixâ€“Loopâ€“Helix transcription factor, NDRF/NeuroD2. Molecular Brain Research, 1999, 74, 126-134.	2.5	18
25	Protein kinase PKN1 associates with TRAF2 and is involved in TRAF2-NF-ÎºB signaling pathway. Biochemical and Biophysical Research Communications, 2004, 314, 688-694.	1.0	18
26	Impaired lymphocyte trafficking in mice deficient in the kinase activity of PKN1. Scientific Reports, 2017, 7, 7663.	1.6	18
27	Localization of PKN mRNA in the rat brain. Molecular Brain Research, 1998, 59, 143-153.	2.5	16
28	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. Genes To Cells, 2017, 22, 220-236.	0.5	16
29	The Role of PKN in the Regulation of Î±B-Crystallin Expression via Heat Shock Transcription Factor 1. Biochemical and Biophysical Research Communications, 1998, 252, 561-565.	1.0	15
30	Involvement of protein kinase PKN1 in G2/M delay caused by arsenite. Molecular Carcinogenesis, 2005, 43, 1-12.	1.3	14
31	Turning off of GluN2B subunits and turning on of CICR in hippocampal LTD induction after developmental GluN2 subunit switch. Hippocampus, 2015, 25, 1274-1284.	0.9	14
32	Purification and Kinase Assay of PKN. Methods in Enzymology, 2006, 406, 234-250.	0.4	9
33	S6 kinase phosphorylated at T229 is involved in tau and actin pathologies in Alzheimer's disease. Neuropathology, 2016, 36, 325-332.	0.7	9
34	Fragmentation of Protein Kinase N (PKN) in the Hydrocephalic Rat Brain. Acta Histochemica Et Cytochemica, 2007, 40, 113-121.	0.8	8
35	Functional characterization of the promoter region of the mouse protein kinase C Î³ gene. FEBS Letters, 1995, 368, 276-278.	1.3	6
36	PKN1 promotes synapse maturation by inhibiting mGluR-dependent silencing through neuronal glutamate transporter activation. Communications Biology, 2020, 3, 710.	2.0	6

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37	PKN2 is involved in aggregation and spheroid formation of fibroblasts in suspension culture by regulating cell motility and N-cadherin expression. Biochemistry and Biophysics Reports, 2021, 25, 100895.	0.7	4
38	PKN1 kinase-negative knock-in mice develop splenomegaly and leukopenia at advanced age without obvious autoimmune-like phenotypes. Scientific Reports, 2019, 9, 13977.	1.6	2
39	PKN1 controls the aggregation, spheroid formation, and viability of mouse embryonic fibroblasts in suspension culture. Biochemical and Biophysical Research Communications, 2020, 523, 398-404.	1.0	2
40	The Protein Kinase N (PKN) GenePRKCL1/Prkcl1Maps to Human Chromosome 19p12â€“p13.1 and Mouse Chromosome 8 with Close Linkage to the Myodystrophy (myd) Mutation. Genomics, 1998, 49, 129-132.	1.3	1
41	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, JPET-AR-2021-000790.	1.3	1
42	Inhibitor of protein kinase N3 suppresses excessive bone resorption in ovariectomized mice. Journal of Bone and Mineral Metabolism, 2022, 40, 251-261.	1.3	1
43	Electrophysiological Technique for Analysis of Synaptic Function of PKN1 in Hippocampus. Neuromethods, 2012, , 349-360.	0.2	0