10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIPK1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant HIPK1.
Catalog # AT2372a

Product Information

Application	WB, IF
Primary Accession	Q86Z02
Other Accession	BC028408
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F2
Calculated MW	130843

Additional Information

Gene ID	204851
Other Names	Homeodomain-interacting protein kinase 1, Nuclear body-associated kinase 2, HIPK1, KIAA0630, MYAK, NBAK2
Target/Specificity	HIPK1 (AAH28408, 330 a.a. ~ 430 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HIPK1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

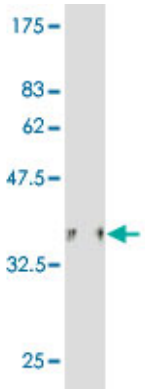
The protein encoded by this gene belongs to the Ser/Thr family of protein kinases and HIPK subfamily. It phosphorylates homeodomain transcription factors and may also function as a co-repressor for homeodomain transcription factors. Alternative splicing results in four transcript variants encoding four distinct isoforms.

References

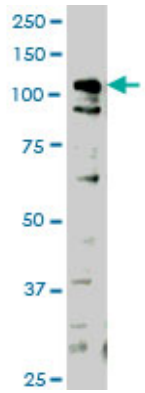
HIPK1 interacts with c-Myb and modulates its activity through phosphorylation. Matre V, et al. Biochem Biophys Res Commun, 2009 Oct 9. PMID 19646965.Toward a confocal subcellular atlas of the human

proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Roles of HIPK1 and HIPK2 in AML1- and p300-dependent transcription, hematopoiesis and blood vessel formation. Aikawa Y, et al. EMBO J, 2006 Sep 6. PMID 16917507.Tumor necrosis factor alpha-induced desumoylation and cytoplasmic translocation of homeodomain-interacting protein kinase 1 are critical for apoptosis signal-regulating kinase 1-JNK/p38 activation. Li X, et al. J Biol Chem, 2005 Apr 15. PMID 15701637.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

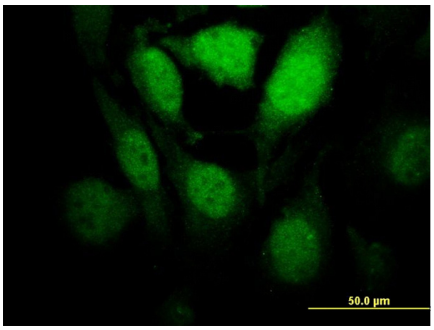
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



HIPK1 monoclonal antibody (M04), clone 1F2 Western Blot analysis of HIPK1 expression in HeLa ((Cat # AT2372a)



Immunofluorescence of monoclonal antibody to HIPK1 on HeLa cell. [antibody concentration 35 ug/ml]