



HIPK1/2/3 mouse mAb

Catalog No	YP-mAb-12547
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	HIPK1 KIAA0630 MYAK NBAK2
Protein Name	HIPK1/2/3
Immunogen	Synthesized peptide derived from human HIPK1/2/3
Specificity	This antibody detects endogenous levels of HIPK1/2/3 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.35% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Homeodomain-interacting protein kinase 1 (EC 2.7.11.1) (Nuclear body-associated kinase 2)
Observed Band	
Cell Pathway	Nucleus . Cytoplasm . Nucleus speckle . Predominantly nuclear. Translocates from nucleus to cytoplasm in response to stress stimuli via SENP1-mediated desumoylation. .
Tissue Specificity	Ubiquitously expressed with highest levels in skeletal muscle and heart. Overexpressed in breast cancer cell lines. Isoform 2 is highly expressed in testis. Expressed in both androgen-dependent and androgen-independent prostate cancer cells (PubMed:28289210).
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:May play a role as a corepressor for homeodomain transcription factors. Phosphorylates DAXX in response to stress, and mediates its translocation from the nucleus to the cytoplasm. May be involved in malignant squamous cell tumor formation.,PTM:Autophosphorylated. Phosphorylated and activated by JNK1.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. HIPK subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Predominantly nuclear.,subunit:Interacts with Nkx1-2 and Nkx2-5 (By similarity). Interacts with DAXX and TP53.,tissue specificity:Ubiquitously expressed with highest levels in skeletal muscle and heart. Overexpressed in breast cancer cell lines.,

**Background**

homeodomain interacting protein kinase 1(HIPK1) Homo sapiens 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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images