Best Tools for immunology Research

HIPK1/2/3 (Phospho Tyr352/361/359) rabbit pAb

Catalog No :	YP1745
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	HIPK1/2/3
Fields :	>>Cellular senescence
Gene Name :	HIPK1 KIAA0630 MYAK NBAK2
Protein Name :	HIPK1/2/3 (Phospho-Tyr352/361/359)
Human Gene Id :	204851
Human Swiss Prot No :	Q86Z02
Mouse Gene Id :	15257
Mouse Swiss Prot No :	O88904
Rat Swiss Prot No :	A4L9P5
Immunogen :	Synthesized peptide derived from human HIPK1/2/3 (Phospho-Tyr352/361/359)
Specificity :	This antibody detects endogenous levels of HIPK1/2/3 (Phospho-Tyr352/361/359) at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 133kD

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],

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.,

Subcellular Location : Nucleus . Cytoplasm . Nucleus speckle . Predominantly nuclear. Translocates from nucleus to cytoplasm in response to stress stimuli via SENP1-mediated desumoylation. .

Expression : 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).

Products Images