

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

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

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	133kD
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Nucleus speckle . Predominantly nuclear. Translocates from nucleus to cytoplasm in response to stress stimuli via SENP1-mediated desumoylation. .
<b>Expression :</b>	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).

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