

## HIPK2 Rabbit mAb

Catalog No: #52772

Package Size: #52772-1 50ul #52772-2 100ul

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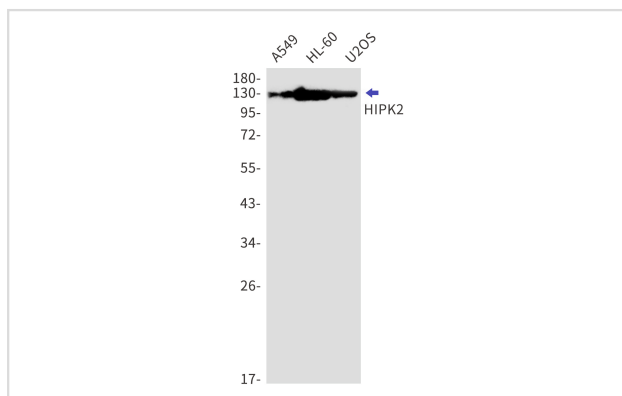
## Description

Product Name	HIPK2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-5G2
Isotype	IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse
Immunogen Description	A synthetic peptide of human HIPK2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	PRO0593
Accession No.	Swiss-Prot:Q9H2X6GeneID:28996
Uniprot	Q9H2X6
GeneID	28996
Calculated MW	Calculated MW:131 kDa,Observed MW:131 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

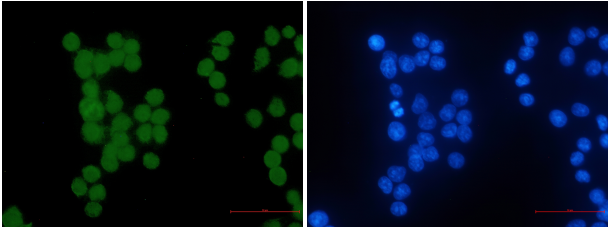
WB: 1/2000 ICC/IF: 1/50

## Images



Western blot detection of HIPK2 in A549,HL-60,U2OS cell lysates using HIPK2 Rabbit mAb(1:1000 diluted).Predicted band size:131kDa.Observed band size:131kDa.

Immunocytochemistry of HIPK2 (green) in hela using HIPK2 Rabbit mAb at dilution 1/50, and DAPI(blue)



## Background

Serine/threonine-protein kinase involved in transcription regulation, p53/TP53-mediated cellular apoptosis and regulation of the cell cycle. Acts as a corepressor of several transcription factors, including SMAD1 and POU4F1/Brn3a and probably NK homeodomain transcription factors. Phosphorylates PDX1, ATF1, PML, p53/TP53, CREB1, CTBP1, CBX4, RUNX1, EP300, CTNNB1, HMGA1 and ZBTB4. Inhibits cell growth and promotes apoptosis through the activation of p53/TP53 both at the transcription level and at the protein level (by phosphorylation and indirect acetylation). The phosphorylation of p53/TP53 may be mediated by a p53/TP53-HIPK2-AXIN1 complex. Involved in the response to hypoxia by acting as a transcriptional co-suppressor of HIF1A. Mediates transcriptional activation of TP73. In response to TGF $\beta$ , cooperates with DAXX to activate JNK. Negative regulator through phosphorylation and subsequent proteasomal degradation of CTNNB1 and the antiapoptotic factor CTBP1.

Note: This product is for in vitro research use only