Product Datasheet

HIPK2 Rabbit mAb

Catalog No: #52772

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

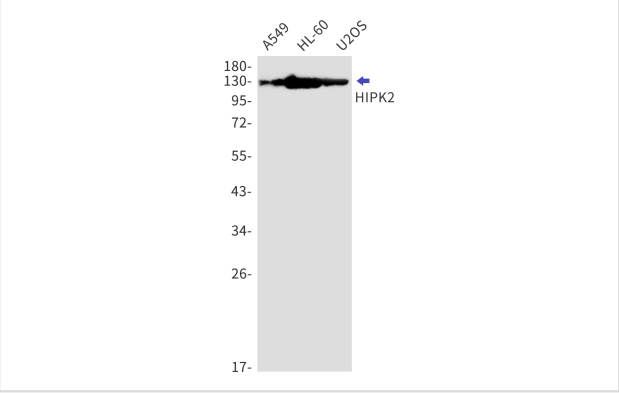
Description

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.

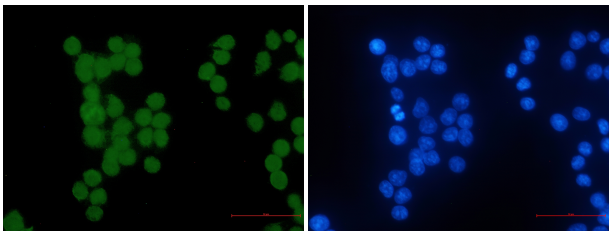
Application Details

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 TGFB, 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