

anti-Human, Mouse HIPK2 Monoclonal Antibody | anti-HIPK2 antibody

HIPK2 Rabbit mAb

CATALOG # AAA314532	HOST Recombinant Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

HIPK2; Monoclonal Antibody; HIPK2 Rabbit mAb; PRO0593; anti-HIPK2 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	S06-5G2
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-HIPK2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human HIPK2
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

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



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-HIPK2 antibody	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.
Product Categories/Family for anti-HIPK2 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	164420685
NCBI GeneID	28996
NCBI Accession #	NP_073577.3
NCBI GenBank Nucleotide #	NM_022740.4
UniProt Accession #	Q9H2X6; Q75MR7; Q8WWI4; Q9H2Y1
Molecular Weight	128,158 Da
NCBI Official Full Name	homeodomain-interacting protein kinase 2 isoform 1
NCBI Official Synonym Full Names	homeodomain interacting protein kinase 2
NCBI Official Symbol	HIPK2
NCBI Official Synonym Symbols	PRO0593
NCBI Protein Information	homeodomain-interacting protein kinase 2; hHIPk2
UniProt Protein Name	Homeodomain-interacting protein kinase 2
UniProt Gene Name	HIPK2
UniProt Synonym Gene Names	hHIPk2
UniProt Entry Name	HIPK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hipk2-antibody-clone-s06-5g2-immunofluorescence-western-blot-elisa/314532>