HIPK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HIPK3, Polyclonal Antibody
Full Product Name	HIPK3 Antibody, HRP conjugated
Product Gene Name	anti-HIPK3 antibody
Product Synonym Names	Homeodomain-interacting protein kinase 3; Androgen receptor-interacting nuclear protein kinase; ANPK; Fas-interacting serine/threonine-protein kinase; FIST; Homolog of protein kinase YAK1; HIPK3; DYRK6; FIST3; PKY
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: HIPK3 (MBS7104037) HRP Conjugated Antibody: HIPK3 (MBS7104038)
Molecular Weight	131,256 Da
OMIM	AF004849 mRNA
3D Structure	ModBase 3D Structure for Q9H422
Immunogen	Recombinant Human Homeodomain-interacting protein kinase 3 protein (841-1130AA)
Conjugation	HRP
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-HIPK3 antibody	Epigenetics and Nuclear Signaling; Cell biology; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HIPK3 antibody	ELISA (EIA)
Related Product Information for anti-HIPK3 antibody	Serine/threonine-protein kinase involved in transcription regulation, apoptosis and steroidogenic gene expression. Phosphorylates JUN and RUNX2. Seems to negatively regulate apoptosis by promoting FADD phosphorylation. Enhances androgen receptor-mediated transcription. May act as a transcriptional corepressor for NK homeodomain transcription factors. The phosphorylation of NR5A1 activates SF1 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. In osteoblasts, supports transcription activation: phosphorylates RUNX2 that synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE).
Other Notes	Small volumes of anti-HIPK3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for HIPK3 purchase	MBS7104038 is an antibody targeting HIPK3. Also known as HIPK3 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HIPK3. It may not necessarily be applicable to this product.

NCBI GI #	114796630
NCBI GeneID	10114
NCBI Accession #	NP_001041665.1
UniProt Primary Accession #	Q9H422
UniProt Secondary Accession #	O14632; Q2PBG4; Q2PBG5; Q92632; Q9HAS2
UniProt Related Accession #	Q9H422
GenBank Nucleotide #	NM_001048200.2
NCBI Official Full Name	homeodomain-interacting protein kinase 3 isoform 2
NCBI Official Synonym Full Names	homeodomain interacting protein kinase 3
NCBI Official Symbol	HIPK3
NCBI Official Synonym Symbols	PKY; YAK1; DYRK6; FIST3
UniProt Protein Name	Homeodomain-interacting protein kinase 3
UniProt Synonym Protein Names	Androgen receptor-interacting nuclear protein kinase; ANPK; Fas-interacting serine/threonine-protein kinase; FIST; Homolog of protein kinase YAK1
Protein Family	Homeodomain-interacting protein kinase
UniProt Gene Name	HIPK3
UniProt Synonym Gene Names	DYRK6; FIST3; PKY; ANPK; FIST
NCBI Protein Information	homeodomain-interacting protein kinase 3
Research Articles on HIPK3	**1.** circHIPK3 directly binds to miR-124 and inhibits miR-124 activity and cell cycle progression.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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