

ARG54855 anti-HIPK3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HIPK3
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HIPK3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1127-1156 (C-terminus) of Human HIPK3.
Conjugation	Un-conjugated
Alternate Names	FIST3; Fas-interacting serine/threonine-protein kinase; Androgen receptor-interacting nuclear protein kinase; YAK1; PKY; Homeodomain-interacting protein kinase 3; FIST; DYRK6; EC 2.7.11.1; Homolog of protein kinase YAK1; ANPK

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

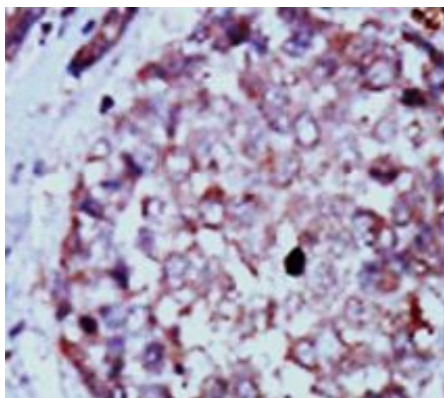
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 10114 Human Swiss-port # Q9H422 Human
Gene Symbol	HIPK3
Gene Full Name	homeodomain interacting protein kinase 3
Function	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). [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	134 kDa
PTM	Autophosphorylated, but autophosphorylation is not required for catalytic activity. May be sumoylated.
Cellular Localization	Cytoplasm. Nucleus

Images



ARG54855 anti-HIPK3 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human cancer tissue stained with ARG54855 anti-HIPK3 antibody.