

ARG63623 anti-JIK / TAOK3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes JIK / TAOK3
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	JIK / TAOK3
Species	Human
Immunogen	CHKKDHVfirDEAGHGD
Conjugation	Un-conjugated
Alternate Names	JNK/SAPK-inhibitory kinase; Jun kinase-inhibitory kinase; hKFC-A; Cutaneous T-cell lymphoma-associated antigen HD-CL-09; JIK; Dendritic cell-derived protein kinase; Kinase from chicken homolog A; Thousand and one amino acid protein 3; MAP3K18; EC 2.7.11.1; Serine/threonine-protein kinase TAO3; DPK; CTCL-associated antigen HD-CL-09

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 3 µg/ml
	WB	0.3 - 1.0 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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

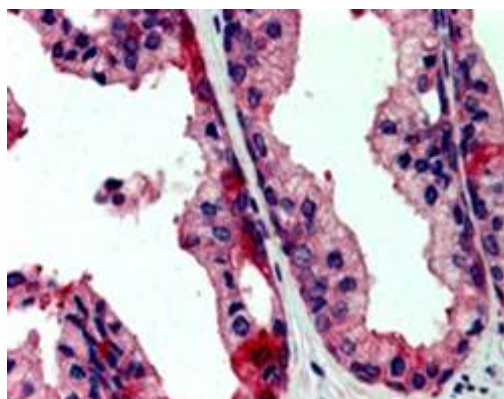
Database links	GeneID: 51347 Human Swiss-port # Q9H2K8 Human
Gene Symbol	TAOK3
Gene Full Name	TAO kinase 3
Function	Serine/threonine-protein kinase that acts as a regulator of the p38/MAPK14 stress-activated MAPK cascade and of the MAPK8/JNK cascade. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. Inhibits basal activity of MAPK8/JNK cascade and diminishes its activation in response epidermal growth factor (EGF). [UniProt]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	105 kDa
PTM	Autophosphorylated. Phosphorylation at Ser-324 by ATM following DNA damage is required for activation of the p38/MAPK14 stress-activated MAPK cascade. Phosphorylated by LRRK2.

Images



ARG63623 anti-JIK / TAOK3 antibody WB image

Western Blot: human liver lysate (35 µg protein in RIPA buffer) stained with ARG63623 anti-JIK / TAOK3 antibody at 0.1 µg/ml dilution.



ARG63623 anti-JIK / TAOK3 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Prostate. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63623 anti-JIK / TAOK3 antibody at 2.5 µg/ml dilution followed by AP-staining.