

ARG63454 anti-HPK1 / MAP4K1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HPK1 / MAP4K1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise isoform 1 (NP_001036065.1) and isoform 2 (NP_009112.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HPK1 / MAP4K1
Species	Human
Immunogen	DVVDPDIFNRDPR-C
Conjugation	Un-conjugated
Alternate Names	MAPK/ERK kinase kinase kinase 1; HPK1; Mitogen-activated protein kinase kinase kinase kinase 1; MEKKK 1; EC 2.7.11.1; Hematopoietic progenitor kinase; MEK kinase kinase 1

Application Instructions

Application table	Application	Dilution
	IHC-P	2.5 µg/ml
	WB	0.5 - 2 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * 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 antigen affinity chromatography.
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.

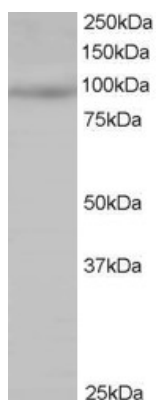
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

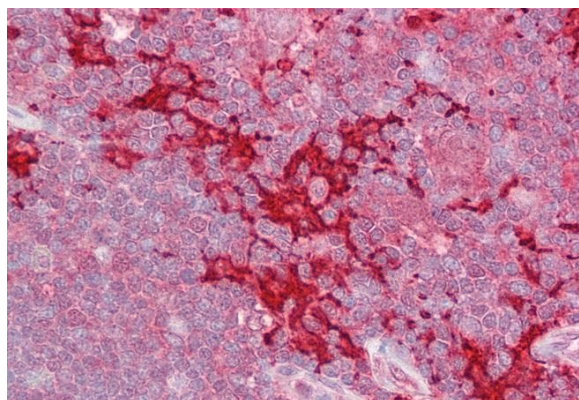
Database links	GeneID: 11184 Human Swiss-port # Q92918 Human
Gene Symbol	MAP4K1
Gene Full Name	mitogen-activated protein kinase kinase kinase kinase 1
Function	Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	91 kDa
PTM	Autophosphorylates: phosphorylation promotes ubiquitination by the Cul7-RING(FBXW8) ubiquitin-protein ligase complex, leading to its degradation by the proteasome. Ubiquitinated by the Cul7-RING(FBXW8) ubiquitin-protein ligase complex following autophosphorylation, leading to its degradation by the proteasome.

Images



ARG63454 anti-HPK1 / MAP4K1 antibody WB image

Western Blot: Jurkat lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63454 anti-HPK1 / MAP4K1 antibody at 0.5 µg/ml dilution.



ARG63454 anti-HPK1 / MAP4K1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thymus tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63454 anti-HPK1 / MAP4K1 antibody at 2.5 µg/ml dilution followed by AP-staining.