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ARG55700
anti-LIMK2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LIMK2
Tested Reactivity	Hu
Predict Reactivity	Bov
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LIMK2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 570-599 (C-terminus) of Human LIMK2.
Conjugation	Un-conjugated
Alternate Names	EC 2.7.11.1; LIMK-2; LIM domain kinase 2

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Jurkat

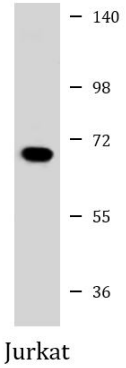
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
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: 3985 Human Swiss-port # P53671 Human
Gene Symbol	LIMK2
Gene Full Name	LIM domain kinase 2
Background	There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro. [UniProt]
Calculated Mw	72 kDa
PTM	Phosphorylated on serine and/or threonine residues by ROCK1.
Cellular Localization	Isoform LIMK2a: Cytoplasm. Nucleus. Note=Isoform LIMK2a is distributed in the cytoplasm and the nucleus

Images



ARG55700 anti-LIMK2 antibody WB image

Western blot: 35 µg of Jurkat cell lysate stained with ARG55700 anti-LIMK2 antibody at 1:1000 dilution.