

Rabbit LIMK2 Polyclonal Antibody | anti-LIMK2 antibody

LIMK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327028	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

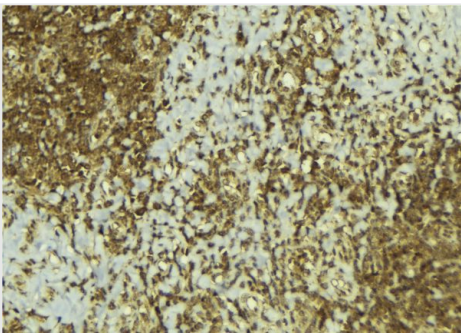
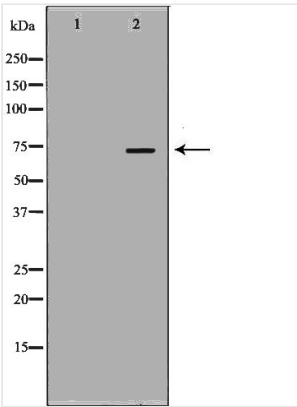
PRODUCT SYNONYMS

LIMK2; Polyclonal Antibody; LIMK2 Antibody; LIM containing protein kinase 2b; LIM domain kinase 2; LIM domain kinase 2b; LIM kinase 2b; LIM motif containing protein kinase 2b; LIMK 2b; LIMK-2; Limk2; LIMK2 b; LIMK2_HUMAN; LIMK2b; anti-LIMK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LIMK2 antibody detects endogenous levels of total LIMK2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	686
Applicable Applications for anti-LIMK2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LIMK2
Subcellular Location	Cytoplasm. Nucleus. Isoform LIMK2a is distributed in the cytoplasm and the nucleus and Cytoplasm. Nucleus. Isoform LIMK2b occurs mainly in the cytoplasm and is scarcely translocated to the nucleus.
Tissue Specificity	Highest expression in the placenta; moderate level in liver, lung, kidney, and pancreas. LIMK2a is found to be more abundant than LIMK2b in liver, colon, stomach, and spleen, while in brain, kidney, and placenta LIMK2b is the dominant form. In adult lung, both LIMK2a and LIMK2b is nearly equally observed.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327028 at 1/100 staining Mouse pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of MCF7 cell lysate, using LIMK2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LIMK2 antibody

Description: 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.

Function: Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro.

Subunit Structure: Binds ROCK1 and MARF1 (Ref. 9, PubMed:11018042, PubMed:10436159). Interacts with PARD3. Interacts with NISCH (By similarity).

Post-translational Modifications: Phosphorylated on serine and/or threonine residues by ROCK1.

Similarity: Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73390140
NCBI GeneID	3985
NCBI Accession #	NP_001026971.1
NCBI GenBank Nucleotide #	NM_001031801.1
UniProt Accession #	P53671; Q7KZ80; Q7L3H5; Q96E10; Q99464; Q9UFU0; A8K6H5
Molecular Weight	Observed: 72 kDa Predicted: 73 kDa
NCBI Official Full Name	LIM domain kinase 2 isoform 1
NCBI Official Synonym Full Names	LIM domain kinase 2
NCBI Official Symbol	LIMK2
NCBI Protein Information	LIM domain kinase 2
UniProt Protein Name	LIM domain kinase 2
UniProt Gene Name	LIMK2
UniProt Synonym Gene Names	LIMK-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/limk2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327028>