LIMK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LIMK2, Polyclonal Antibody
Full Product Name	LIMK2
Product Gene Name	anti-LIMK2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human Predicted: Rat, Mouse
Form/Format	Already dissolved in sterile H2O with 1% BSA and 0.02% NaN3 and 50% Glycerol.
Purity/Purification	Purified By Antigen Affinity Column
Immunogen	Recombinant fragment corresponding to 14-177aa of human LIMK2.
Cellular Localization	Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LIMK2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-LIMK2 antibody	ELISA: 1:20000-80000 WB: 1:200-1,000 IHC: 1:100-500
Related Product Information for anti-LIMK2 antibody	MBS8562172 is an antibody targeting LIMK2. Reactive in Human Predicted: Rat, Mouse. Host: Rabbit. Homo sapiens LIM domain kinase 2, mRNA.
Product References and Citations for anti-LIMK2 antibody	Huttlin EL, Ting L, Bruckner RJ, Gebreab F, Gygi MP, Szpyt J, Tam S, Zarraga G, Colby G, Baltier K, et al.The BioPlex Network: A Systematic Exploration of the Human Interactome. Cell. 162(2):425-40 (2005)
Other Notes	Small volumes of anti-LIMK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LIMK2. It may not necessarily be applicable to this product.

NCBI GI #	15341773
NCBI GeneID	3985
NCBI Accession #	BC013051
UniProt Related Accession #	P53671
NCBI Official Full Name	Homo sapiens LIM domain kinase 2, mRNA
NCBI Official Synonym Full Names	LIM domain kinase 2
NCBI Official Symbol	LIMK2

Protein Family	LIM domain kinase
NCBI Protein Information	LIM domain kinase 2
NCBI Summary for LIMK2	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]
Research Articles on LIMK2	**1.** LIM domain kinase 2 isoform LIMK2-1 (LIMK2-1) has a protein phosphatase 1 (PP1) inhibitory domain at its C-terminus which its two isoenzymes LIMK2a and LIMK2b do not.
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