Product Datasheet

LIMK-2 (phospho Ser283) Polyclonal Antibody

Catalog No: #13742

Package Size: #13742-1 50ul #13742-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	LIMK-2 (phospho Ser283) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat,Monkey
Specificity	Phospho-LIMK-2 (S283) Polyclonal Antibody detects endogenous levels of LIMK-2 protein only when phosphorylated at S283.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human LIMK2 around the phosphorylation site of Ser283. AA range:249-298
Other Names	LIMK2; LIM domain kinase 2; LIMK-2
Accession No.	Swiss Prot:P53671GeneID:3985
Uniprot	P53671
GeneID	3985
SDS-PAGE MW	72
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Background

LIM domain kinase 2(LIMK2) Homo sapiens 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],

Note: This product is for in vitro research use only