

LIM kinase 2 antibody

Catalog No: #23035



Orders: order@signalwayantibody.com
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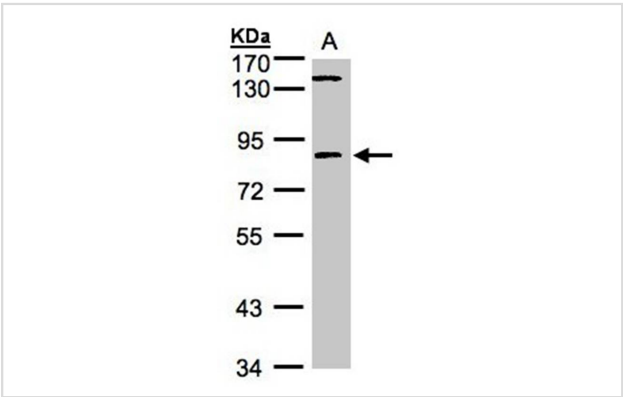
Description

Product Name	LIM kinase 2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 294 and 665 of LIM kinase 2
Target Name	LIM kinase 2
Accession No.	Swiss-Prot:P53671Gene ID:3985
Uniprot	P53671
GeneID	3985;
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

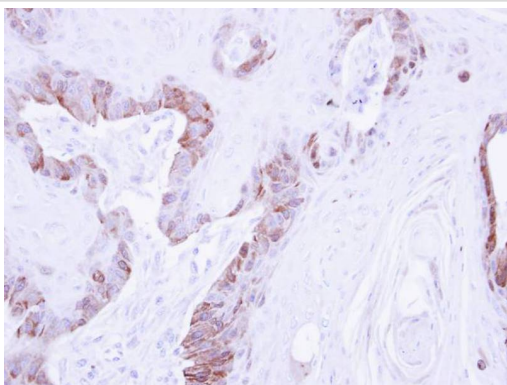
Application Details

Predicted MW: 78kd
Western blotting: 1:500-1:3000
Immunohistochemistry: 1:100-1:500
Immunofluorescence: 1:100-1:200

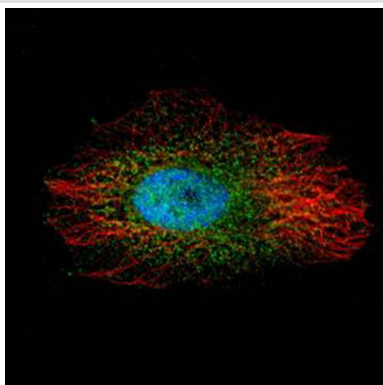
Images



Sample (30ug whole cell lysate)
A: 293T
7.5% SDS PAGE
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded CA922 xenograft, using LIM kinase 2 antibody at 1: 500 dilution.



Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using LIM kinase 2 antibody (Green) at 1: 500 dilution and alpha-tubulin antibody (Red) at 1: 2000.

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]

Note: This product is for in vitro research use only