

## LIMK2 Antibody

Catalog No: #32836

Package Size: #32836-1 50ul #32836-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

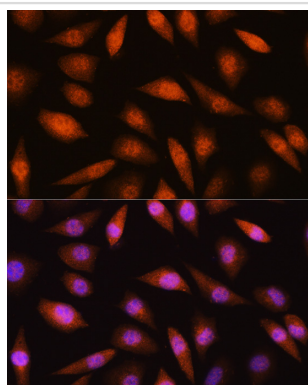
## Description

Product Name	LIMK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total LIMK2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human LIMK2 (NP_001026971.1).
Target Name	LIMK2
Other Names	LIMK2
Accession No.	Uniprot:P53671GeneID:3985
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GeneID	3985
SDS-PAGE MW	80kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

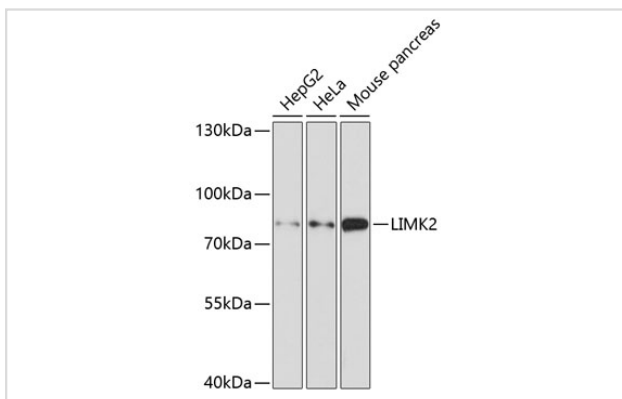
## Application Details

WB  $\square$  1:500 - 1:2000 IF  $\square$  1:50 - 1:200

## Images



Immunofluorescence analysis of L929 cells using LIMK2 Rabbit pAb.



Western blot analysis of extracts of various cell lines, using LIMK2 antibody.

## 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.

Note: This product is for in vitro research use only