

# LIM kinase 1(LIMK1) Rabbit mAb

Catalog No.: A23948 **Recombinant**

## Basic Information

**Observed MW**

74kDa

**Calculated MW**

33kDa/68kDa/70kDa/72kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P

**Cross-Reactivity**

Human,Mouse,Rat

**CloneNo number**

ARC61299

## 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. LIMK1 is a serine/threonine kinase that regulates actin polymerization via phosphorylation and inactivation of the actin binding factor cofilin. This protein is ubiquitously expressed during development and plays a role in many cellular processes associated with cytoskeletal structure. This protein also stimulates axon growth and may play a role in brain development. LIMK1 hemizyosity is implicated in the impaired visuospatial constructive cognition of Williams syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:50 - 1:200

## Immunogen Information

**Gene ID**

3984

**Swiss Prot**

P53667

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 630-647 of human LIM kinase 1(LIMK1)(NP\_002305.1).

**Synonyms**

LIMK1; LIMK; LIMK-1; LIM domain kinase 1; LIM kinase 1(LIMK1)

## Contact

	400-999-6126
	cn.market@abclonal.com.cn
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

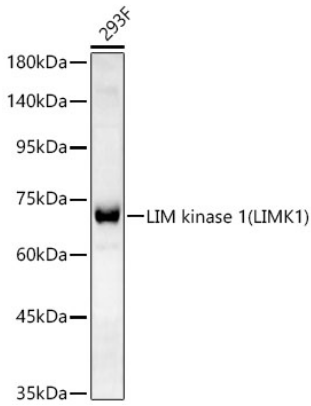
Affinity purification

**Storage**

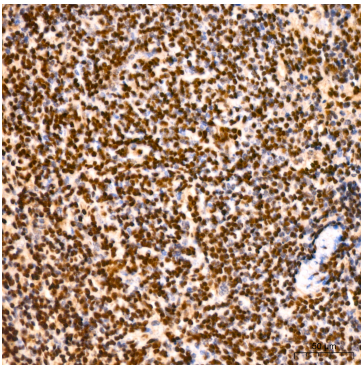
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

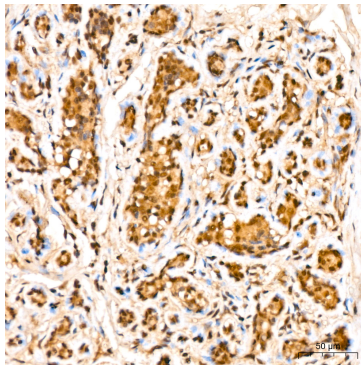
## Validation Data



Western blot analysis of 293F, using LIM kinase 1(LIMK1) Rabbit mAb (A23948) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded mouse spleen using LIM kinase 1(LIMK1) Rabbit mAb (A23948) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human breast using LIM kinase 1(LIMK1) Rabbit mAb (A23948) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.