

AP0566

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# Phospho-LIMK1-T508/LIMK2-T505 Rabbit pAb

Catalog No.: AP0566

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

33kDa/68kDa/70kDa/72kDa/69kDa/77kDa

### Category

Polyclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

## 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.[provided by RefSeq, Feb 2011]

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

3984/3985

### Swiss Prot

P53667/P53671

### Immunogen

A synthetic phosphorylated peptide around T508 of human LIMK1 (NP\_002305.1).

### Synonyms

LIMK1/LIMK2; Phospho-LIMK1-T508/LIMK2-T505

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.