

# Phospho-LIMK1-T508 Rabbit Polyclonal Antibody



CABP0387

## Product Information

### Size:

50uL, 100uL, 200uL

### Observed MW:

73kDa

### Calculated MW:

33kDa/68kDa/70kDa/72kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100 IF 1:100 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 hemizygoty is implicated in the impaired visuospatial constructive cognition of Williams syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

## Immunogen information

### Gene ID:

3984

### Uniprot

P53667

### Synonyms:

LIMK1; LIMK; LIMK-1

### Immunogen:

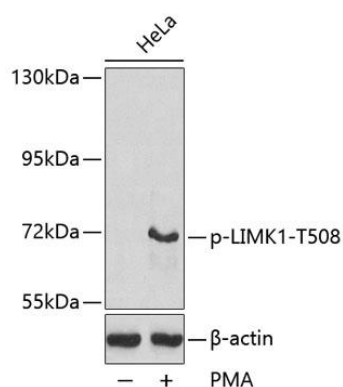
A phospho specific peptide corresponding to residues surrounding T508 of human LIMK1

### Storage:

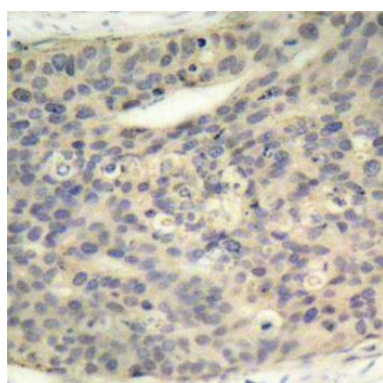
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

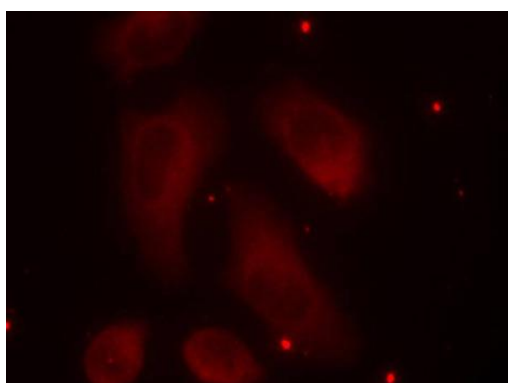
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Western blot analysis of extracts from HeLa cells, using Phospho-LIMK1-T508 antibody (CABP0387).



Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-LIMK1-T508 antibody (CABP0387).



Immunofluorescence analysis of methanol-fixed HeLa cells using Phospho-LIMK1-T508 antibody (CABP0387).