

Rabbit LIMK1-T508 Antibody | anti-LIMK1 antibody

Phospho-LIMK1-T508 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37405	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

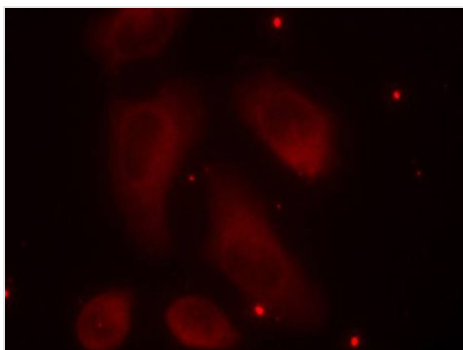
PRODUCT SYNONYMS

LIMK1-T508; Phospho-LIMK1-T508 Polyclonal Antibody; Phospho-LIMK1-T508: LIMK; LIMK-1; anti-LIMK1 antibody

PRODUCT SPECIFICATIONS

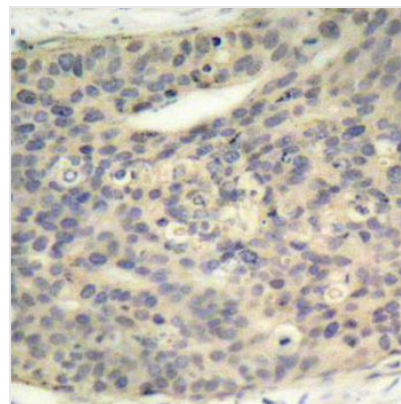
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	647
Applicable Applications for anti-LIMK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding T508 of human LIMK1
Calculated Molecular Weight	72kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



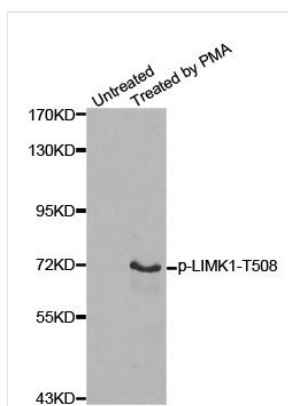
IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using Phospho-LIMK1-T508 antibody.



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-LIMK1 antibody

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.

Product Categories/Family for anti-LIMK1 antibody

[Phosphorylation](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	90185240
NCBI GeneID	3984
UniProt Accession #	P53667 ; O15283 ; Q15820 ; Q15821 ; Q75MU3 ; Q9Y5Q1 ; B7Z6I8 ; D3DXF4 ; D3DXF5
Molecular Weight	647
NCBI Official Full Name	LIM domain kinase 1
NCBI Official Synonym Full Names	LIM domain kinase 1
NCBI Official Symbol	LIMK1
NCBI Official Synonym Symbols	LIMK; LIMK-1
NCBI Protein Information	LIM domain kinase 1; LIM motif-containing protein kinase
UniProt Protein Name	LIM domain kinase 1
UniProt Gene Name	LIMK1
UniProt Synonym Gene Names	LIMK; LIMK-1
UniProt Entry Name	LIMK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.