

Rabbit Anti-LIMK1 Polyclonal Antibody

CPB-686RH Rabbit(LIMK1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-LIMK1 Polyclonal Antibody
Antigen Description	Protein kinase which regulates actin filament dynamics. Phosphorylates and inactivates the actin binding/deppolymerizing factor cofilin, thereby stabilizing the actin cytoskeleton. Isoform 3 has a dominant negative effect on actin cytoskeletal changes. May be involved in brain development.
specificity	The antibody detects endogenous level of LIMK1 only when phosphorylated at threonine 508.
Target	LIMK1
Immunogen	Peptide sequence around phosphorylation site of threonine 508 (R-Y-T(p)-V-V) derived from Human LIMK1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	LIMK1 LIM domain kinase 1 [Homo sapiens]
Official Symbol	LIMK1
Synonyms	LIMK1; LIM domain kinase 1; LIMK; LIM motif-containing protein kinase; LIMK-1;
GeneID	3984
mRNA Refseq	NM_001204426
Protein Refseq	NP_001191355
MIM	601329
UniProt ID	P53667
Chromosome Location	7q11.23
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Axon guidance, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem;

Function

ATP binding; heat shock protein binding; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; zinc ion binding;