

Datasheet for ABIN7138862

anti-LIM Domain Kinase 1 antibody (pThr508)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	LIM Domain Kinase 1 (LIMK1)
Binding Specificity:	pThr508
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIM Domain Kinase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 508 (R-Y-T(p)-V-V) derived from Human LIMK1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	LIM Domain Kinase 1 (LIMK1)
Alternative Name:	LIMK1 (LIMK1 Products)

Target Details

Background: Background: Protein kinase which regulates actin filament dynamics. Phosphorylates and inactivates the actin binding/depolymerizing factor cofilin, thereby stabilizing the actin cytoskeleton. Isoform 3 has a dominant negative effect on actin cytoskeletal changes. May be involved in brain development.

Soosairajah J, et al. (2005) EMBO J.

Ohashi K, et al. (2000) J Biol Chem, 275(5): 3577-82.

Edwards DC, et al. (1999) Nat Cell Biol, 1(5): 253-9.

Aliases: EC 2.7.11.1 antibody, LIM domain kinase 1 antibody, LIM motif-containing protein kinase antibody, LIMK antibody, LIMK-1 antibody, limk1 antibody, LIMK1_HUMAN antibody

UniProt: [P53667](#)

Pathways: [Caspase Cascade in Apoptosis](#), [Regulation of Cell Size](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

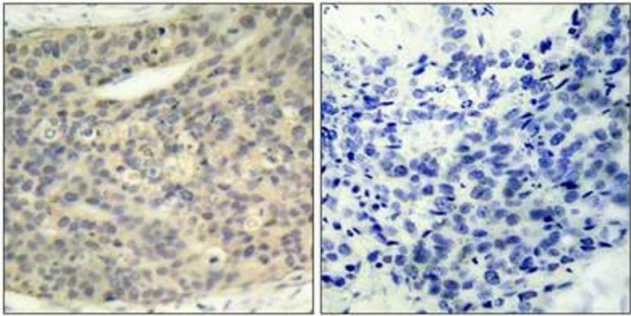
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

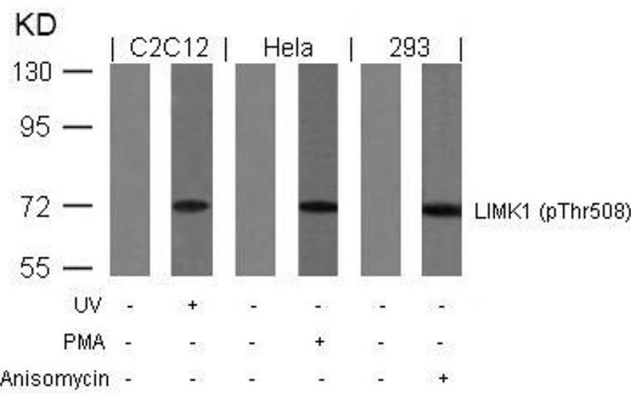
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



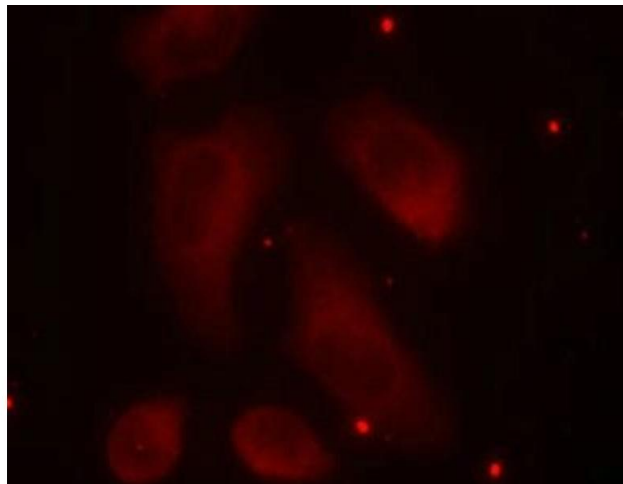
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LIMK1(Phospho-Thr508) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from UV-treated C2C12, PMA-treated Hela and anisomycin-treated 293 cells using LIMK1(Phospho-Thr508) Antibody.



Immunofluorescence

Image 3. Immunofluorescence staining of methanol-fixed Hela cells using LIMK1(Phospho-Thr508) Antibody.