

LIMK1(Phospho-Thr508) Antibody

Catalog No: #11126

Package Size: #11126-1 50ul #11126-2 100ul

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Description

Product Name	LIMK1(Phospho-Thr508) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of LIMK1 only when phosphorylated at threonine 508.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 508 (R-Y-T(p)-V-V) derived from Human LIMK1.
Conjugates	Unconjugated
Target Name	LIMK1
Modification	Phospho
Other Names	LIMK-1; kinase LIMK1;
Accession No.	Swiss-Prot: P53667NCBI Protein: NP_002305.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

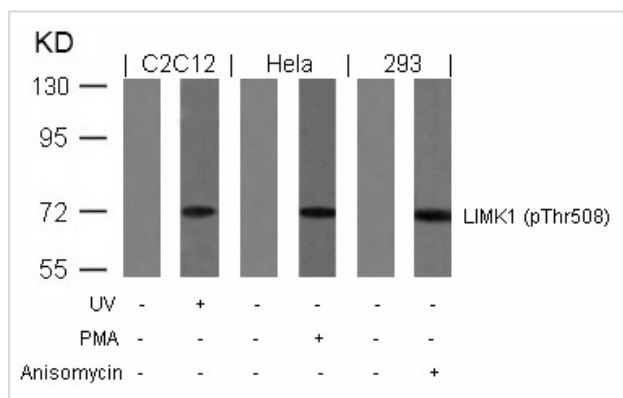
Predicted MW: 72kd

Western blotting: 1:500~1:1000

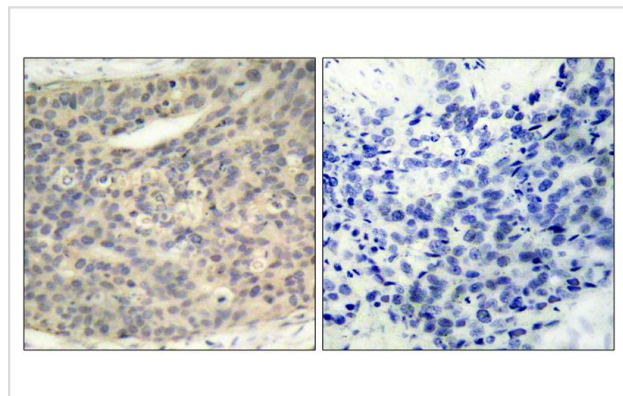
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

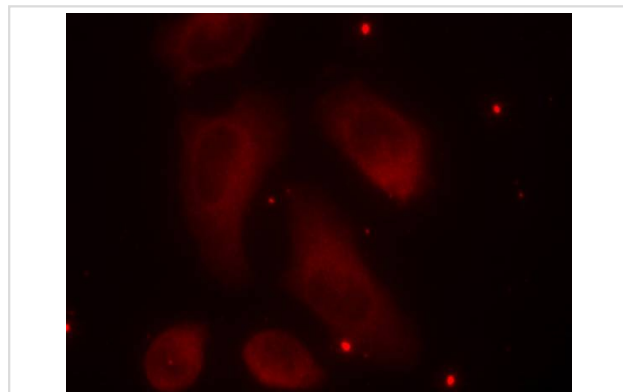
Images



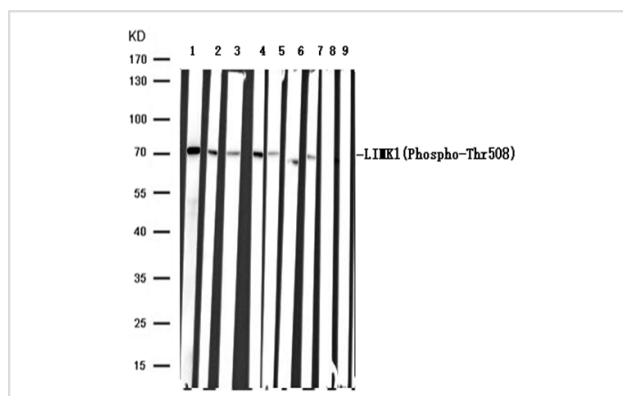
Western blot analysis of extracts from UV-treated C2C12, PMA-treated HeLa and anisomycin-treated 293 cells using LIMK1(Phospho-Thr508) Antibody #11126.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LIMK1(Phospho-Thr508) Antibody #11126(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using LIMK1(Phospho-Thr508) Antibody #11126.



Lane 1 : HeLaB treated with PMA;
 Lane 2 : Mouse brain tissue;
 Lane 3 : Rat brain tissue;
 Lane 4 : N-peptide blocked HeLaB treated with PMA;
 Lane 5 : N-peptide blocked Mouse brain tissue;
 Lane 6 : N-peptide blocked Rat brain tissue;
 Lane 7 : P-peptide blocked HeLaB treated with PMA;
 Lane 8 : P-peptide blocked Mouse brain tissue;
 Lane 9 : P-peptide blocked Rat brain tissue;
 Lysates/proteins at 40 µg per lane.
 Predicted band size :B 72 kDa
 Observed band size :B 72 kDa

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.

Published Papers

Li, X., Ke, Q., Li, Y. et al., DGCR6L, A Novel PAK4 Interaction Protein, Regulates PAK4-mediated migration of Human Gastric Cancer Cell via LIMK1., International Journal of Biochemistry and Cell Biology, 42: 70η— C79(2008)

[PMID:19778628](#)

et al., DGCR6L, a novel PAK4 interaction protein, regulates PAK4-mediated migration of human gastric cancer cell via LIMK1. In Int J Biochem Cell Biol on 2010 Jan by Xiaodong Li, Qiang Ke, et al..PMID: 19778628, , (2010)

[PMID:19778628](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.