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35-1122: Polyclonal Antibody to LIMK1 (Phospho-Thr508)

Clonality : Polyclonal **Application :** WB,IHC,IF

Reactivity: Human, Mouse, Rat

Gene : LIMK1
Gene ID : 3984
Uniprot ID : P53667
Format : Purified

Alternative Name: LIMK-1, kinase LIMK1

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of threonine 508 (R-Y-T(p)-V-V) derived from

Human LIMK1.

Description

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.

Product Info

Amount : 50 μl / 100 μl

Content: 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 condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 72kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence:

1:100~1:200

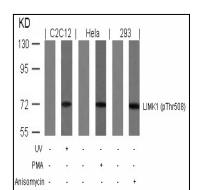


Figure 1: Western blot analysis of extracts from UV-treated C2C12, PMA-treated Hela and anisomycin-treated 293 cells using LIMK1(Phospho-Thr508) Antibody 35-1122.



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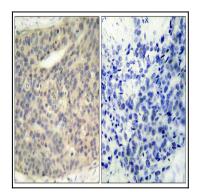


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LIMK1(Phospho-Thr508) Antibody 35-1122 (left) or the same antibody preincubated with blocking peptide(right).

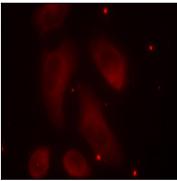


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using LIMK1(Phospho-Thr508) Antibody 35-1122 .