## 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 <br> $\quad$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 :

Content:
Storage condition :
$50 \mu \mathrm{l} / 100 \mu \mathrm{l}$
Supplied at $1.0 \mathrm{mg} / \mathrm{mL}$ in phosphate buffered saline (without $\mathrm{Mg} 2+$ and $\mathrm{Ca} 2+$ ), $\mathrm{pH} 7.4,150 \mathrm{mM}$ $\mathrm{NaCl}, 0.02 \%$ sodium azide and $50 \%$ glycerol.
Store the antibody at $4^{\circ} \mathrm{C}$, stable for 6 months. For long-term storage, store at $-20^{\circ} \mathrm{C}$. 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 .


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 .

