

LIMK-2 Polyclonal Antibody

Description

| | |
|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-AP05020 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human LIMK2. AA range:249-298 |
| Mol wt | 72232 |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | LIMK-2 Antibody |
| Synonyms | LIMK2; LIM domain kinase 2; LIMK-2 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by LIMK2 is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene.

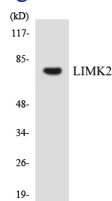
Recommended Dilution

WB: 1: 500 - 1: 2000

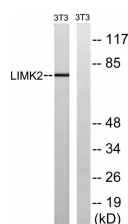
ELISA: 1: 5000

Not yet tested in other applications.

Images

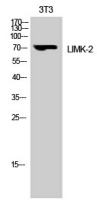


Western blot analysis of the lysates from RAW264.7 cells using LIMK2 antibody.



Western blot analysis of lysates from NIH/3T3 cells, treated with PMA 125ng/ml 30', using LIMK2 Antibody.

The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of 3T3 cells using LIMK-2 Polyclonal Antibody

Storage

-20°C for one year

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