

LIMK-2(Phospho Thr505) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06917
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human LIMK-2 (phospho Thr505)
Mol wt	72232
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	LIM domain kinase 2
Synonyms	LIM domain kinase 2; 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 this gene 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

IHC-p: 1: 100 - 1: 300

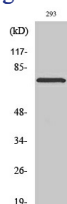
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

ELISA: 1: 10000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using Phospho-LIMK-2 (T505) Polyclonal Antibody

Storage

-20°C for 1 year

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