

LIMK-2 (phospho Thr505) Polyclonal Antibody

Catalog # AP67094

Specification

LIMK-2 (phospho Thr505) Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P53671
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

LIMK-2 (phospho Thr505) Polyclonal Antibody - Additional Information

Gene ID 3985

Other Names

LIMK2; LIM domain kinase 2; LIMK-2

Dilution

WB~Western Blot: 1/500 - 1/2000.
Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000.
ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage Conditions

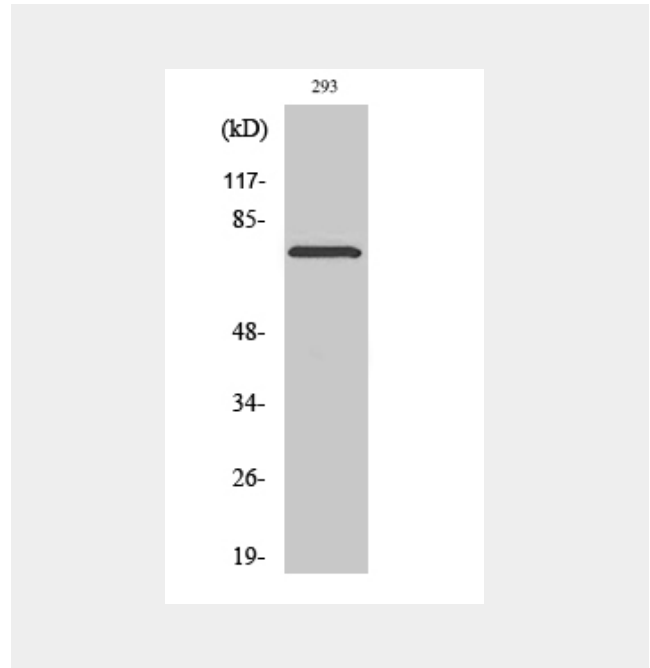
-20°C

LIMK-2 (phospho Thr505) Polyclonal Antibody - Protein Information

Name LIMK2

Function

Serine/threonine-protein kinase that plays an essential role in the regulation of actin filament dynamics (PubMed:10436159, PubMed:11018042). Acts downstream of several Rho family GTPase



LIMK-2 (phospho Thr505) Polyclonal Antibody - Background

Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro.

signal transduction pathways (PubMed:10436159, PubMed:11018042). Involved in astral microtubule organization and mitotic spindle orientation during early stages of mitosis by mediating phosphorylation of TPPP (PubMed:22328514). Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in vitro (PubMed:8537403). Suppresses ciliogenesis via multiple pathways; phosphorylation of CFL1, suppression of directional trafficking of ciliary vesicles to the ciliary base, and by facilitating YAP1 nuclear localization where it acts as a transcriptional corepressor of the TEAD4 target genes AURKA and PLK1 (PubMed:25849865).

Cellular Location

Cytoplasm, cytoskeleton, spindle.
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome [Isoform LIMK2b]: Cytoplasm. Cytoplasm, perinuclear region. Nucleus Note=Mainly present in the cytoplasm and is scarcely translocated to the nucleus.

LIMK-2 (phospho Thr505) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)