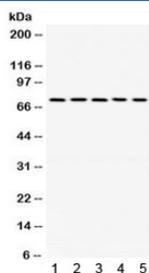


LIMK Antibody / LIM Kinase 1 (R32135)

Catalog No.	Formulation	Size
R32135	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P53667
Applications	Western Blot : 0.1-0.5ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This LIMK antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse stomach, human 3) HeLa, 4) U87 and 5) SKOV lysate with LIMK antibody. Expected/observed molecular weight ~72 kDa.

Description

LIM domain kinase 1 is an enzyme that in humans is encoded by the LIMK1 gene. 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, a central PDZ domain, and a C-terminal protein kinase domain. LIMK1 is likely to be a component of an intracellular signaling pathway and may be involved in brain development.

Application Notes

Optimal dilution of the LIMK antibody should be determined by the researcher.

Immunogen

Amino acids KLEHWLETLRMHLAGHLPLGPQLEQLDRGFWETYRR of human LIMK1 were used as the immunogen for the LIMK antibody.

Storage

After reconstitution, the LIMK antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.