

LIMK-2 Polyclonal Antibody

Catalog # AP70750

Product Information

Application	WB, IHC-P, IF
Primary Accession	P53671
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72232

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: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

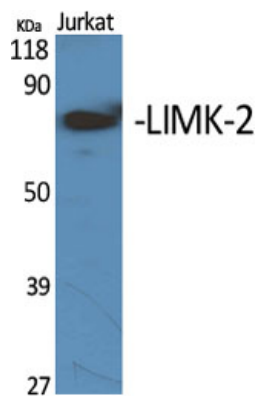
Protein Information

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 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.

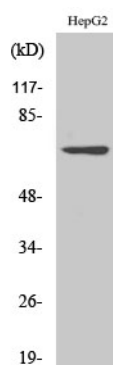
Background

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

Images



Western Blot analysis of various cells using LIMK-2 Polyclonal Antibody



Western Blot analysis of HuvEc cells using LIMK-2 Polyclonal Antibody

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