
Product Name: LIM Kinase 2 Rabbit Polyclonal Antibody**Catalog #: APRab00460**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:100-1:200
Molecular Weight	Calculated MW: 72 kDa; Observed MW: 72 kDa

Antigen Information

Gene Name	LIMK2
Alternative Names	LIM domain kinase 2
Gene ID	3985
SwissProt ID	P53671
Immunogen	A synthetic peptide of human LIM kinase 2

Background

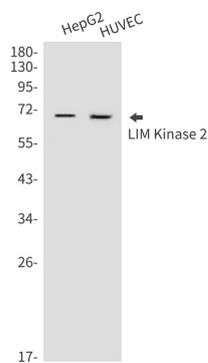
Serine/threonine-protein kinase that plays an essential role in the regulation of actin filament dynamics (PubMed:10436159, PubMed:11018042). Acts downstream of several Rho family GTPase signal transduction pathways (PubMed:10436159,

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).

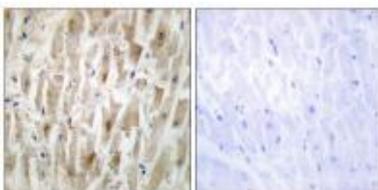
Research Area

Signal Transduction

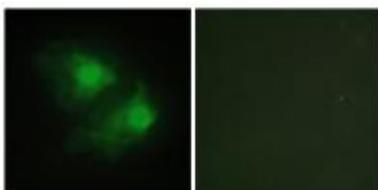
Image Data



Western blot analysis of LIM Kinase 2 in HepG2, HUVEC lysates using LIM Kinase 2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human heart tissue using LIMK2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Immunofluorescence analysis of LIM Kinase 2 in HeLa cells using LIMK2 antibody (green).