

产品名称: LIM Kinase 2 Rabbit Polyclonal Antibody
产品货号: APRab00460



产品概述 (Summary)

产品名称 (Production Name)	LIM Kinase 2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	LIMK2
别名 (Alternative Names)	LIM domain kinase 2
基因 ID (Gene ID)	3985
蛋白 ID (SwissProt ID)	P53671.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:100-1:200
蛋白分子量 (Molecular Weight)	Calculated MW: 72 kDa; Observed MW: 72 kDa

研究背景 (Background)

Serine/threonine-protein kinase that plays an essential role in the regulation of actin filament dynamics

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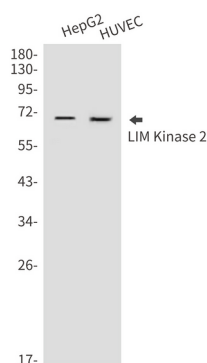


(PubMed:10436159, PubMed:11018042). Acts downstream of several Rho family GTPase signal transduction pathways (PubMed:10436159, PubMed:11018042). Involved in astral microtubule organization and mitotic spindle orientation during early stages of mitosis by mediating phosphorylation of TPPP (PubMed:22328514). 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).

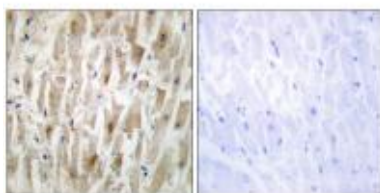
研究领域 (Research Area)

Signal Transduction

图片 (Image Data)

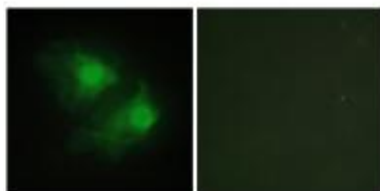


Western blot analysis of LIM Kinase 2 in HepG2, HUVEC lysates using LIM Kinase 2 antibody.



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.

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

注意事项 (Note)

For research use only .