

产品名称: KPI-2 Rabbit Polyclonal Antibody
产品货号: APRab13098



产品概述 (Summary)

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

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% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	LMTK2
别名 (Alternative Names)	LMTK2; AATYK2; BREK; KIAA1079; KPI2; LMR2; Serine/threonine-protein kinase LMTK2; Apoptosis-associated tyrosine kinase 2; Brain-enriched kinase; hBREK; CDK5/p35-regulated kinase; CPRK; Kinase/phosphatase/inhibitor 2; Lemur tyrosine kinase 2
基因 ID (Gene ID)	22853.0
蛋白 ID (SwissProt ID)	Q8IWU2.The antiserum was produced against synthesized peptide derived from human LMTK2. AA range:651-700

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
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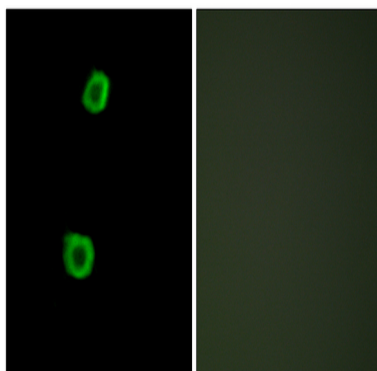
蛋白分子量 (Molecular Weight) 164kDa

研究背景 (Background)

The protein encoded by this gene belongs to the protein kinase superfamily and the protein tyrosine kinase family. It contains N-terminal transmembrane helices and a long C-terminal cytoplasmic tail with serine/threonine/tyrosine kinase activity. This protein interacts with several other proteins, such as Inhibitor-2 (Inh2), protein phosphatase-1 (PP1C), p35, and myosin VI. It phosphorylates other proteins, and is itself also phosphorylated when interacting with cyclin-dependent kinase 5 (cdk5)/p35 complex. This protein involves in nerve growth factor (NGF)-TrkA signalling, and also plays a critical role in endosomal membrane trafficking. Mouse studies suggested an essential role of this protein in spermatogenesis. [provided by RefSeq, Oct 2009],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Phosphorylates PPP1C, phosphorylase b and CFTR.,online information:LMTK2 entry,PTM:Autophosphorylated. Phosphorylated.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with PPP1C and inhibitor-2.,tissue specificity:Mainly expressed in skeletal muscle, and weakly in brain and pancreas.,

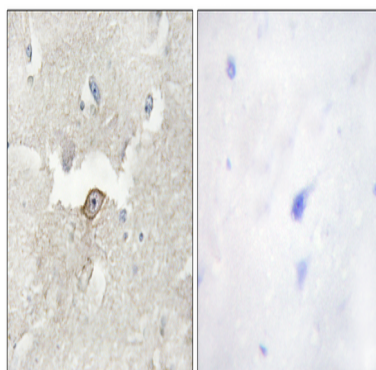
研究领域 (Research Area)

图片 (Image Data)

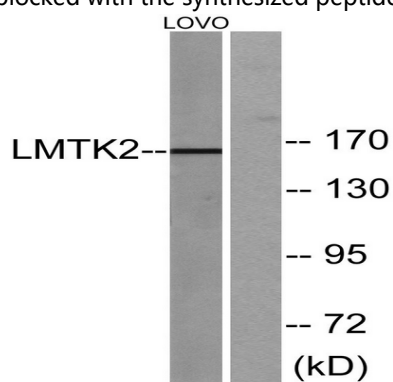


Immunofluorescence analysis of HepG2 cells, using LMTK2 Antibody. The picture on the right is blocked with the synthesized peptide.

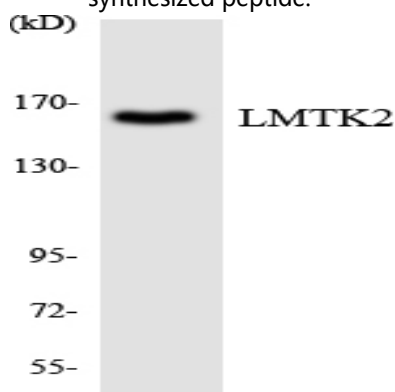
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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using LMTK2 Antibody. The picture on the right is blocked with the synthesized peptide.

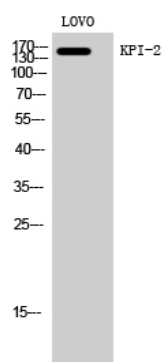


Western blot analysis of lysates from LOVO cells, using LMTK2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using LMTK2 antibody.

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Western Blot analysis of LOVO cells using KPI-2 Polyclonal Antibody

注意事项 (Note)

For research use only .