

产品名称: ERK 3 Rabbit Polyclonal Antibody
产品货号: AP Rab10596



产品概述 (Summary)

产品名称 (Production Name)	ERK 3 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,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% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MAPK6 MAPK6; ERK3; PRKM6; Mitogen-activated protein kinase 6; MAP kinase 6;
别名 (Alternative Names)	MAPK 6; Extracellular signal-regulated kinase 3; ERK-3; MAP kinase isoform p97; p97-MAPK
基因 ID (Gene ID)	5597.0
蛋白 ID (SwissProt ID)	Q16659.The antiserum was produced against synthesized peptide derived from human p97 MAPK. AA range:461-510

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 1:5000-1:20000
蛋白分子量 (Molecular Weight)	85kDa

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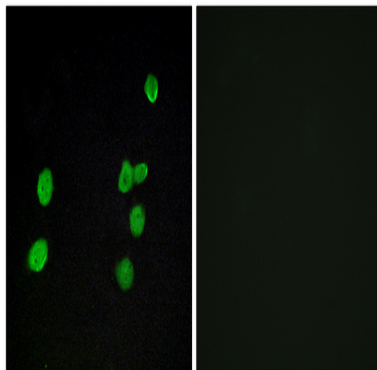
研究背景 (Background)

The protein encoded by this gene is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-activated protein kinases (MAP kinases). MAP kinases also known as extracellular signal-regulated kinases (ERKs), are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals. This kinase is localized in the nucleus, and has been reported to be activated in fibroblasts upon treatment with serum or phorbol esters. [provided by RefSeq, Jul 2008], catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., domain: The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases., enzyme regulation: Activated by threonine and tyrosine phosphorylation., function: Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle., PTM: Dually phosphorylated on Thr-626 and Tyr-628, which activates the enzyme., similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily., similarity: Contains 1 protein kinase domain., tissue specificity: Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.,

研究领域 (Research Area)

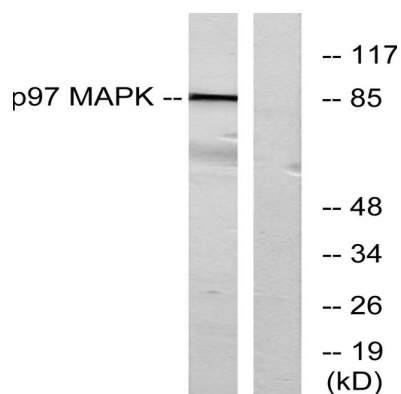
Signal Transduction

图片 (Image Data)

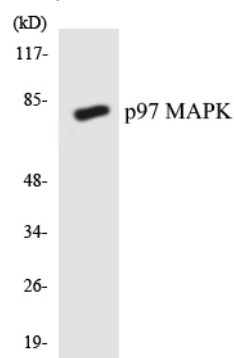


Immunofluorescence analysis of MCF7 cells, using p97 MAPK Antibody. The picture on the right is blocked with the synthesized peptide.

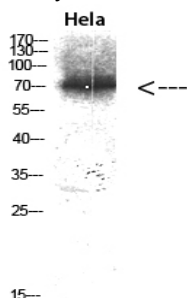
产品名称: ERK 3 Rabbit Polyclonal Antibody
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Western blot analysis of lysates from K562 cells, using p97 MAPK Antibody. The lane on the right is blocked with the synthesized peptide.

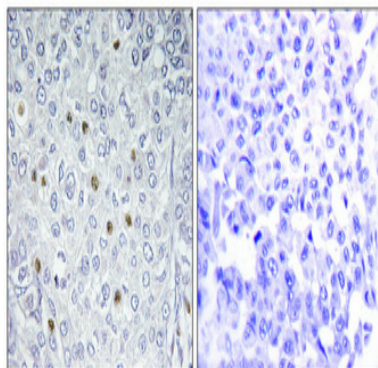


Western blot analysis of the lysates from HeLa cells using p97 MAPK antibody.



Western blot analysis of Hela Lysate, antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000

产品名称: ERK 3 Rabbit Polyclonal Antibody
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Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°,overnight) .
High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from
antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .