

产品名称: MEK Kinase-4 Rabbit Polyclonal Antibody
产品货号: AP Rab13794



产品概述 (Summary)

产品名称 (Production Name)	MEK Kinase-4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, 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)	MAP3K4 MAP3K4; KIAA0213; MAPKKK4; MEKK4; MTK1; Mitogen-activated protein kinase kinase kinase 4; MAP three kinase 1; MAPK/ERK kinase kinase 4; MEK kinase 4; MEKK 4
别名 (Alternative Names)	
基因 ID (Gene ID)	4216.0
蛋白 ID (SwissProt ID)	Q9Y6R4. The antiserum was produced against synthesized peptide derived from human MAP3K4. AA range: 1281-1330

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	

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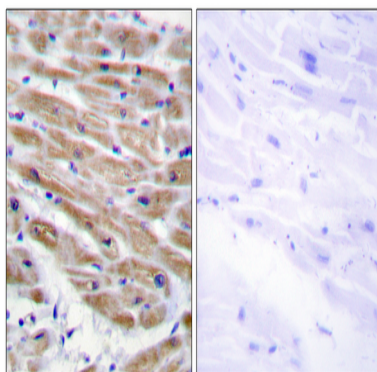
研究背景 (Background)

The central core of each mitogen-activated protein kinase (MAPK) pathway is a conserved cascade of 3 protein kinases: an activated MAPK kinase kinase (MAPKKK) phosphorylates and activates a specific MAPK kinase (MAPKK), which then activates a specific MAPK. While the ERK MAPKs are activated by mitogenic stimulation, the CSBP2 and JNK MAPKs are activated by environmental stresses such as osmotic shock, UV irradiation, wound stress, and inflammatory factors. This gene encodes a MAPKKK, the MEKK4 protein, also called MTK1. This protein contains a protein kinase catalytic domain at the C terminus. The N-terminal nonkinase domain may contain a regulatory domain. Expression of MEKK4 in mammalian cells activated the CSBP2 and JNK MAPK pathways, but not the ERK pathway. In vitro kinase studies indicated that recombinant MEKK4 can specifically phosphorylate and activate PRKMK6 catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: N-terminal autoinhibitory domain interacts with the C-terminal kinase domain, inhibiting kinase activity, and preventing interaction with its substrate, MAP2K6. The GADD45 proteins activate the kinase by binding to the N-terminal domain. Activated by phosphorylation on Thr-1504., function: Component of a protein kinase signal transduction cascade. Activates the CSBP2, P38 and JNK MAPK pathways, but not the ERK pathway. Specifically phosphorylates and activates MAP2K4 and MAP2K6., similarity: Belongs to the protein kinase superfamily., similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily., similarity: Contains 1 protein kinase domain., subunit: Binds both upstream activators and downstream substrates in multimolecular complexes. Interacts with AXIN1 and DIXDC1; interaction with DIXDC1 prevents interaction with AXIN1., tissue specificity: Expressed at high levels in heart, placenta, skeletal muscle and pancreas, and at lower levels in other tissues.,

研究领域 (Research Area)

MAPK_ERK_Growth; MAPK_G_Protein; GnRH;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MAP3K4 Antibody. The picture on the right is blocked with the synthesized peptide.

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注意事项 (Note)

For research use only .