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MAP3K4 Antibody

货号: **AYP5588**

产品信息

反应	Human,Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	IHC ELISA
推荐浓度	IHC: 1:50 - 1:200
理论分子量	177kDa/181kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	K-562,Rat brain
细胞定位	cytoplasm,perinuclear region of cytoplasm
纯化	Affinity purification

抗原信息

抗原信息	Synthesized peptide derived from Human MAP3K4.
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靶点信息

研究背景	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 and SERK1, MAPKKs that activate CSBP2 and JNK, respectively but cannot phosphorylate PRKMK1, an MAPKK that activates ERKs. MEKK4 is a major mediator of environmental stresses that activate the CSBP2 MAPK pathway, and a minor mediator of the JNK pathway. Several alternatively spliced transcripts encoding distinct isoforms have been described.
基因ID	4216
基因名	MAP3K4
Swiss	Q9Y6R4 (https://www.uniprot.org/uniprotkb/Q9Y6R4/entry)
别名	MAP3K4,MAPKKK4,MEKK 4,MEKK4,MTK1,PRO0412,MAP3K4 Antibody,MAP three kinase 1,MAPK/ERK kinase kinase 4,KIAA0213

产品验证

实验步骤

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