

产品名称: PRAK Rabbit Polyclonal Antibody
产品货号: AP Rab16455



产品概述 (Summary)

产品名称 (Production Name)	PRAK Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
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)	MAPKAPK5 MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; p38-regulated/activated protein kinase; PRAK
别名 (Alternative Names)	
基因 ID (Gene ID)	8550.0
蛋白 ID (SwissProt ID)	Q8IW41.The antiserum was produced against synthesized peptide derived from human MAPKAPK5. AA range:148-197

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量 (Molecular Weight)	60kDa

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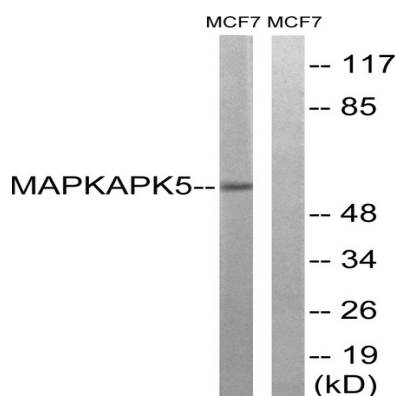
研究背景 (Background)

The protein encoded by this gene is a tumor suppressor and member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. The encoded protein is found in the nucleus but translocates to the cytoplasm upon phosphorylation and activation. This kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Nov 2012], catalytic activity: ATP + a protein = ADP + a phosphoprotein., enzyme regulation: p38 alpha and beta-dependent phosphorylation increases its activity. Activated by stress-related extracellular stimuli; such as H₂O₂, arsenite, anisomycin TNF alpha and also PMA and the calcium ionophore A23187; but to a lesser extent. In vitro, activated by SQSTM1., function: Mediates stress-induced small heat shock protein 27 phosphorylation., PTM: Phosphorylated on Thr-182; which is the regulatory phosphorylation site and is located on the T-loop/loop 12., similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family., similarity: Contains 1 protein kinase domain., subcellular location: Also observed in the nucleus., subunit: Interacts with SQSTM1., tissue specificity: Expressed ubiquitously.,

研究领域 (Research Area)

MAPK_ERK_Growth; MAPK_G_Protein;

图片 (Image Data)



Western blot analysis of lysates from MCF-7 cells, using MAPKAPK5 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .