

产品名称: p7S6 Kinase (Phospho-Ser 411) Mouse
Monoclonal Antibody
产品货号: AMM86148



产品概述 (Summary)

产品名称 (Production Name)	p7S6 Kinase (Phospho-Ser 411) Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,IP
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	Purified antibody in TBS with 0.05% sodium azide,1%protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	p7S6 Kinase (Phospho-Ser 411)
别名 (Alternative Names)	70 kDa ribosomal protein S6 kinase 2 antibody</br> EC 2.7.11.1 antibody</br> KS6B2_HUMAN antibody</br> p70 beta antibody</br> p70 ribosomal S6 kinase beta antibody</br> p70 S6 kinase beta antibody</br> p70 S6K-beta antibody</br> p70 S6KB antibody</br> p70 S6Kbeta antibody</br> p70(S6K) beta antibody</br> p70-beta antibody</br> p70-S6K 2 antibody</br> P70S6K2 antibody</br> p70S6Kb antibody</br> Ribosomal protein S6 kinase 70kDa, polypeptide 2 antibody</br> Ribosomal protein S6 kinase beta 2 antibody</br> Ribosomal protein S6 kinase beta-2 antibody</br> Rps6kb2 antibody</br> S6 kinase related kinase antibody</br> S6 kinase-related kinase antibody</br> S6K beta 2

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antibody S6K beta antibody S6K-beta antibody S6K-beta-2
antibody S6K2 antibody Serine/threonine protein kinase 14 beta
antibody Serine/threonine-protein kinase 14B antibody SRK
antibody STK14B antibody

基因 ID (Gene ID)

6199;

蛋白 ID (SwissProt ID)

Q9UBS0.A sequence containing Ser 411 phosphorylated p70 S6 kinase α
isoform 2 of human origin.

产品应用 (Application)

稀释比 (Dilution Ratio)

WB 1:500-1:2000,IHC 1:50-1:500,ICC 1:100-1:500,IP 1:20-1:50

蛋白分子量 (Molecular Weight)

70kDa

研究背景 (Background)

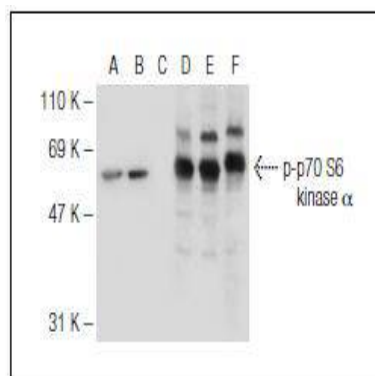
In studies to elucidate key regulatory pathways in signal transduction, several protein serine/threonine (Ser/Thr) kinases have been identified. Included among such kinases are two distinct families of 40S ribosomal protein S6 Ser/Thr kinases present in somatic animal cells, designated p70 S6 kinase and p90 Rsk kinase. p90 Rsk kinase is maximally activated within minutes of addition of growth factors or phorbol ester to cultured cells followed by activation of p70 S6 kinase. Both enzymes are regulated by serine/threonine phosphorylation, suggesting that specific kinases may exist upstream in the signaling pathway that regulate these kinases. In fact, evidence suggests that one such family of activating enzymes includes the members of the ERK MAP kinase family. The ERK MAP kinases are, in turn, regulated by phosphorylation at threonine and tyrosine residues by a protein kinase designated MEK.

研究领域 (Research Area)

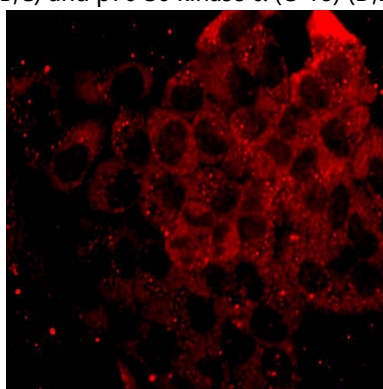
PI3K-Akt signaling pathway

图片 (Image Data)

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Western blot analysis of p70 S6 kinase α phosphorylation in untreated (A,D), insulin treated (B,E) and insulin treated and lambda protein phosphatase treated (C,F) HEK293 whole cell lysates. Antibodies tested include p-p70 S6 kinase α (A-6) (A,B,C) and p70 S6 kinase α (C-18) (D,E,F).



Immunofluorescence staining of anisomycin-treated, methanol-fixed NIH/3T3 cells, showing cytoplasmic and nuclear localization of activated p70 S6 kinase α (A). Immunoperoxidase staining of formalin fixed, paraffin-embedded human esophagus tissue showing nuclear staining of squamous epithelial cells (B).

注意事项 (Note)

For research use only .