

Anti-P70 S6 Kinase (phospho T389) antibody ab2571

★★★★★ **5 Abreviews** **50 References** **4 图像**

概述

产品名称	Anti-P70 S6 Kinase (phospho T389)抗体
描述	兔多克隆抗体to P70 S6 Kinase (phospho T389)
宿主	Rabbit
特异性	Phospho-p70 S6 Kinase (Thr389/412) Ab detects endogenous levels of p70 S6 Kinase only when phosphorylated at Threonine 389/412
经测试应用	适用于: ICC/IF, IHC-P, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human P70 S6 Kinase (phospho T389). Database link: P23443
常规说明	<p>This product is manufactured by BioVision, an Abcam company and was previously called 3505 Phospho-p70 S6 Kinase Antibody. 3505-100 is the same size as the 100 µl size of ab2571.</p> <p>p70 S6 Kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. P70 S6 Kinase phosphorylates the S6 protein of the 40S ribosomal subunit and is involved in translational control of 5'oligopyrimidine tract mRNAs. A second isoform, p85 S6 Kinase, is derived from the same gene and is identical to p70 S6 Kinase except for 23 extra residues at the N-terminus that encode a nuclear localizing signal.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 0.877% Sodium chloride, 50% Glycerol (glycerin, glycerine), 49% PBS
纯度	Affinity purified
Primary antibody说明	<p>p70 S6 Kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. P70 S6 Kinase phosphorylates the S6 protein of the 40S ribosomal subunit and is involved in translational control of 5'oligopyrimidine tract mRNAs. A second isoform, p85 S6 Kinase, is derived from the same gene and is identical to p70 S6 Kinase except for 23 extra residues at the N-terminus that encode a nuclear localizing signal.</p>

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab2571于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/100 - 1/500. The optimal conditions should be determined individually.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (4)	Use a concentration of 1 - 2 µg/ml. This antibody detects bands at approximately 70 and 85 kDa.

靶标

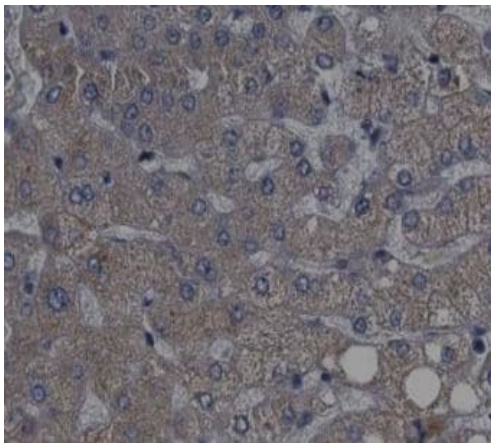
相关性

The protein p70 S6 kinase is critical for cell cycle progression and cell survival. In response to mitogen stimulation, p70 S6 kinase activation up-regulates ribosomal biosynthesis and enhances the translational capacity. The p70S6K phosphorylates the S6 protein of the 40S subunit of the ribosome. This kinase was first characterized as an insulin/mitogen-activated protein kinase, whose major known substrate is the 40 S ribosomal subunit protein S6. The p70 S6 kinase is activated by diverse stimuli through a multi-site phosphorylation such as Thr-252 and Ser-434. In Alzheimer's Disease (AD), p70 S6 kinase activation is associated with PHF-tau (hyperphosphorylated tau) accumulation. In non-neuronal cells, p70 S6 kinase have been shown to regulate actin polymerization.

细胞定位

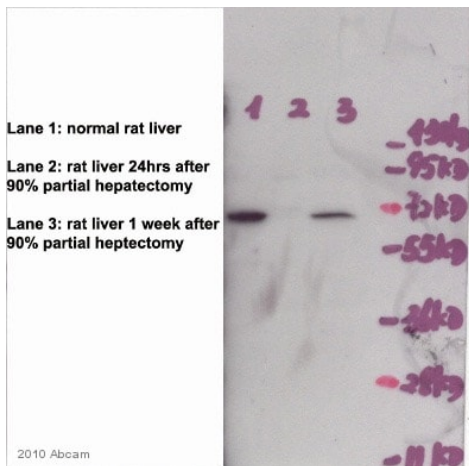
Cell junction › synapse › synaptosome By similarity. Mitochondrion outer membrane. Mitochondrion. Note: Colocalizes with URI1 at mitochondrion. Isoform Alpha I: Nucleus. Cytoplasm Isoform Alpha II: Cytoplasm

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P70 S6 Kinase (phospho T389) antibody (ab2571)

Immunohistochemistry analysis of human liver cancer tissue sections staining Phospho-p70 S6 Kinase using ab2571 at 1/200. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



Western blot - Anti-S6K1 (phospho T389) antibody (ab2571)

This image is courtesy of an anonymous Abreview

All lanes : Anti-P70 S6 Kinase (phospho T389) antibody (ab2571) at 1/250 dilution

Lane 1 : Normal Rat liver whole tissue lysate.

Lane 2 : Rat liver whole tissue lysate 24 hours after 90% partial hepatectomy treated with AEE788 (50 mg/kg).

Lane 3 : Rat liver whole tissue lysate 1 week after 90% partial hepatectomy treated with AEE788 (50 mg/kg).

Lysates/proteins at 20 µg per lane.

Secondary

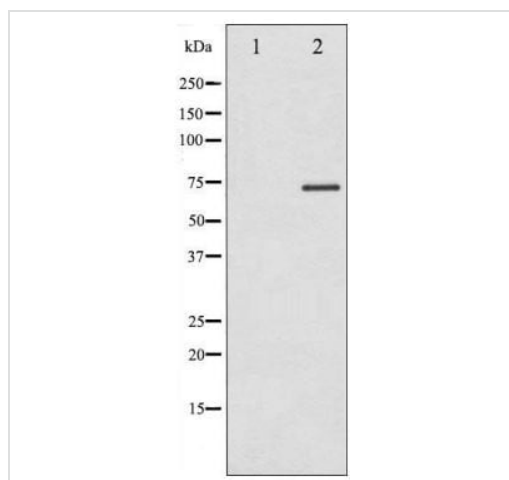
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab6721**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

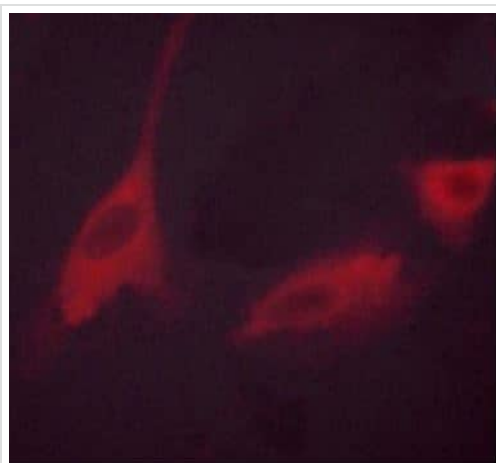
Observed band size: 70 kDa

Blocking Step: 5% Milk for 1 hour at 25°C.



Western blot - Anti-P70 S6 Kinase (phospho T389) antibody (ab2571)

Western blot analysis of p70 S6 Kinase phosphorylation expression in Insulin treated Jurkat whole cell lysates. The lane on the left is treated with the antigen-specific peptide.



Immunocytochemistry/ Immunofluorescence - Anti-P70 S6 Kinase (phospho T389) antibody (ab2571)

Immunofluorescence analysis of Phospho-p70 S6 Kinase in 293 cells

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