

Recombinant human RSK3 protein ab60882

5 图像

描述

产品名称	重组人RSK3蛋白
纯度	> 90 % SDS-PAGE. Purity: >90% as determined by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human

技术指标

Our **Abpromise guarantee** covers the use of **ab60882** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	ab204879 (RPS6 peptide) can be utilized as a substrate for assessing kinase activity

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

功能	Serine/threonine-protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription
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factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. May function as tumor suppressor in epithelial ovarian cancer cells.

组织特异性

Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate.

序列相似性

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.

Contains 1 AGC-kinase C-terminal domain.

Contains 2 protein kinase domains.

翻译后修饰

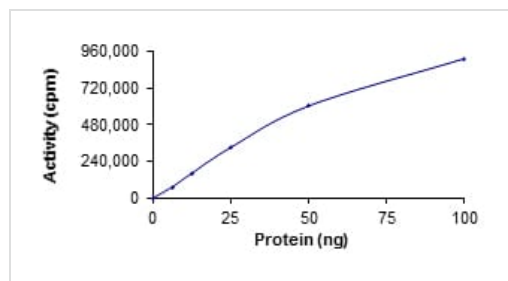
Activated by phosphorylation at Ser-218 by PDPK1. Autophosphorylated on Ser-377, as part of the activation process. May be phosphorylated at Thr-356 and Ser-360 by MAPK1/ERK2 and MAPK3/ERK1.

N-terminal myristoylation results in an activated kinase in the absence of added growth factors.

细胞定位

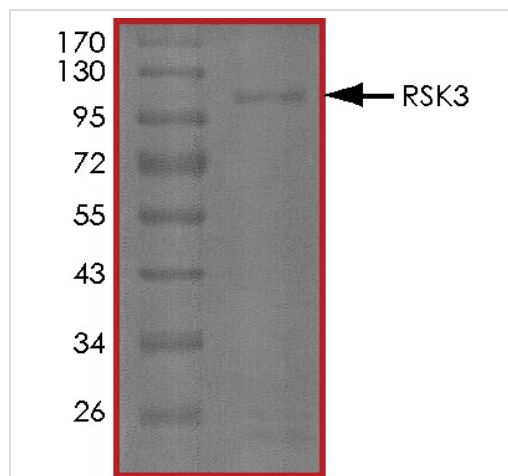
Nucleus. Cytoplasm.

图片



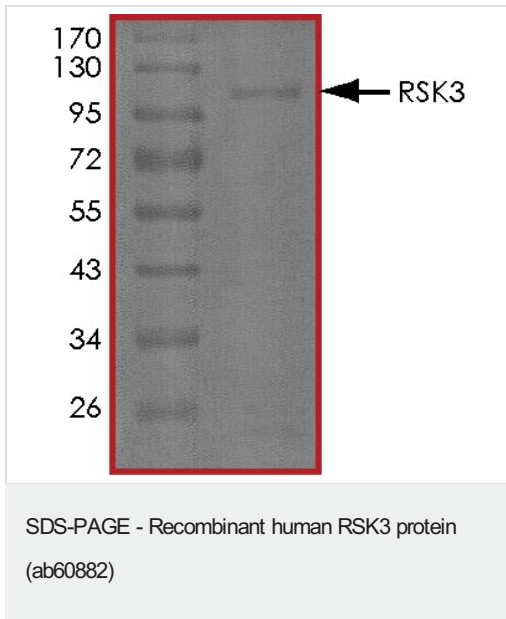
The specific activity of RSK3 (ab60882) was determined to be 150 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human RSK3 protein (ab60882)

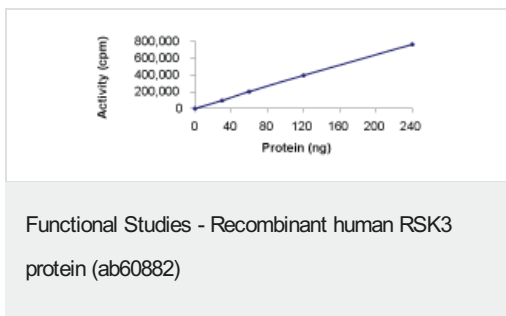


SDS PAGE analysis of ab60882

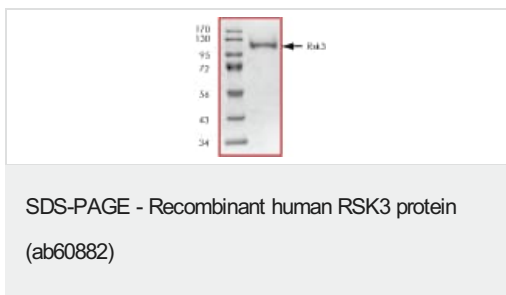
SDS-PAGE - Recombinant human RSK3 protein (ab60882)



SDS PAGE analysis of ab60882



Sample Kinase Activity Plot.



ab60882 on SDS-PAGE, MW ~112 kDa.

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