

Datasheet for ABIN7317081
RPS6KA2 Protein (GST tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	RPS6KA2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This RPS6KA2 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human RSK3/RPS6KA2 Protein (GST Tag)(Active)
Sequence:	Met 1-Leu 733
Characteristics:	A DNA sequence encoding the human RPS6KA2 isoform 1 (Q15349-1) (Met 1-Leu 733) was fused with the GST tag at the N-terminus.
Purity:	> 84 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 41 nmol/min/mg using synthetic RSK peptide (KRRRLSSLRA) as substrate.

Target Details

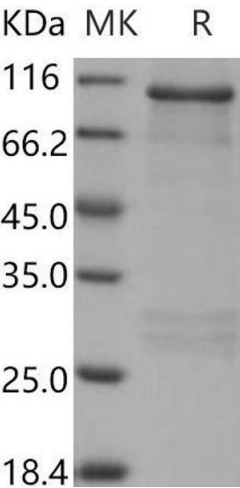
Target:	RPS6KA2
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Target Details

Alternative Name:	RSK3/RPS6KA2 (RPS6KA2 Products)
Background:	<p>Background: Ribosomal protein S6 kinase alpha-2, also known as 90 kDa ribosomal protein S6 kinase 2, MAP kinase-activated protein kinase 1c, MAPK-activated protein kinase 1c, Ribosomal S6 kinase 3, RSK-3, RPS6KA2 and MAPKAPK1C, is a nucleus protein which belongs to the protein kinase superfamily, AGC Ser/Thr protein kinase family and S6 kinase subfamily. RPS6KA2 / RSK-3 is expressed in many tissues. Highest expression is in lung and skeletal muscle. The expression of RPS6KA2 reduced proliferation, caused G1 arrest, increased apoptosis, reduced levels of phosphorylated extracellular signal-regulated kinase and altered other cell cycle proteins. RPS6KA2 / RSK-3 contains one AGC-kinase C-terminal domain and two protein kinase domains. It forms a complex with either ERK1 or ERK2 in quiescent cells. It transiently dissociates following mitogenic stimulation. RPS6KA2 / RSK-3 is a serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB. RPS6KA1, RPS6KA2, RPS6KB1, RPS6KB2, and PDK1 are involved in several pathways central to the carcinogenic process, including regulation of cell growth, insulin, and inflammation.</p> <p>Synonym: HU-2;MAPKAPK1C;p90-RSK3;pp90RSK3;RSK;RSK3;S6K-alpha;S6K-alpha2</p>
Molecular Weight:	110 kDa
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.0, 20 mM GSH
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.