



[Go to Product page](#)

Datasheet for ABIN7270036
anti-RPS6KA1 antibody (pSer380)

3 Images

Overview

Quantity:	100 µL
Target:	RPS6KA1
Binding Specificity:	pSer380
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This RPS6KA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-p90Rsk/RSK1/RPS6KA1-S380 Rabbit mAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding S380 of human p90Rsk/RSK1/RPS6KA1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	RPS6KA1
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Target Details

Alternative Name: RPS6KA1 ([RPS6KA1 Products](#))

Background: This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],HU-1, MAPKAPK1A, RSK, RSK1, p90Rsk,Apoptosis,Apoptosis_Inhibition of Apoptosis,Apoptosis_Mitochondrial Control of Apoptosis,Cell Biology & Developmental Biology,Cell Cycle,Cytoskeleton_Microtubules,Epigenetics & Nuclear Signaling,G protein signaling,G protein signaling_G-Protein-Coupled Receptors Signaling to MAPK/Erk,G2/M DNA Damage Checkpoint,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,MAPK-Erk Signaling Pathway,mTOR Signaling Pathway,Neuroscience,NF-kB Signaling Pathway,Protein phosphorylation,Signal Transduction,Translation Control,Translational Control_Regulation of eIF4 and p70 S6 Kinase,RPS6KA1

Molecular Weight: 90kDa

Gene ID: 6195

UniProt: [Q15418](#)

Pathways: [MAPK Signaling](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

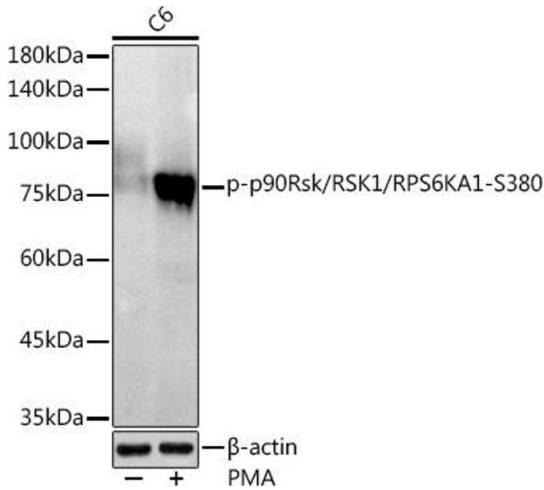
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

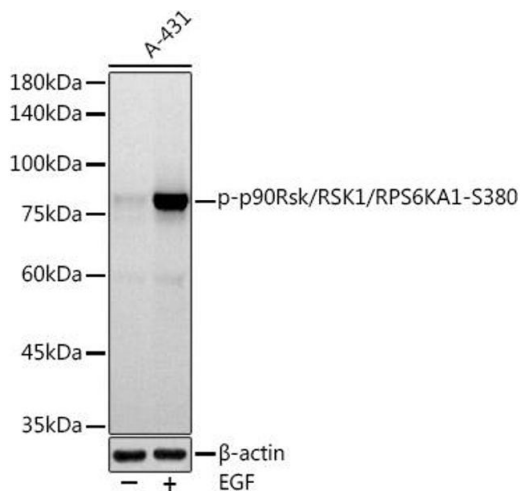
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



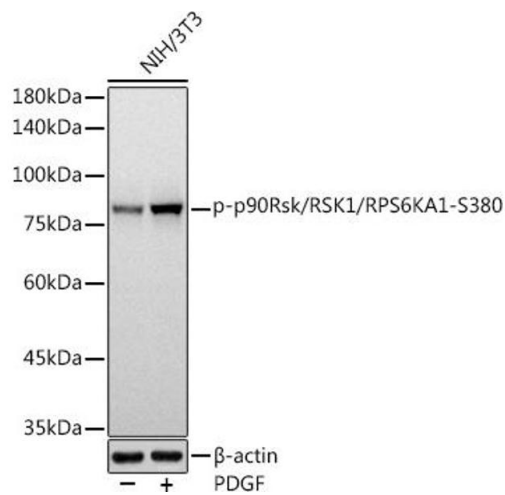
Western Blotting

Image 1. Western blot analysis of extracts of C6 cells, using Phospho-p90Rsk/RSK1/RPS6K-S380 antibody (ABIN7270036) at 1:1000 dilution. C6 cells were treated by PMA/TPA (200 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Western Blotting

Image 2. Western blot analysis of extracts of A-431 cells, using Phospho-p90Rsk/RSK1/RPS6K-S380 antibody (ABIN7270036) at 1:1000 dilution. A-431 cells were treated by EGF (100 ng/mL) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Western Blotting

Image 3. Western blot analysis of extracts of NIH/3T3 cells, using Phospho-p90Rsk/RSK1/RPS6K-S380 antibody (ABIN7270036) at 1:1000 dilution. NIH/3T3 cells were treated by PDGF (100 ng/mL) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.