

Phospho-p90Rsk/RSK1/RPS6KA1-S380 Rabbit pAb

Catalog NO.: AP0562 **2 Publications**

Basic Information

Observed MW

90kDa

Calculated MW

83kDa

Category

Phosphorylated Antibodies

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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.

Recommended Dilutions

WB 1:500 - 1:2000

IP

0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6195

Swiss Prot

Q15418

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

RSK; HU-1; RSK1; p90Rsk; MAPKAPK1; MAPKAPK1A; Phospho-p90Rsk/RSK1/RPS6KA1-S380

Contact

Product Information

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Source

Rabbit

Isotype

IgG

Purification

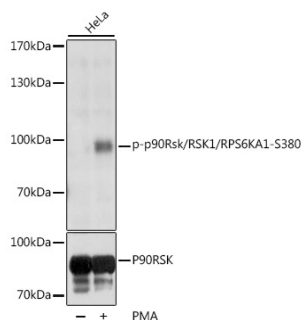
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using Phospho-p90Rsk/RSK1/RPS6KA1-S380 Rabbit pAb (AP0562) at 1:1000 dilution or RPS6KA1 antibody (A15718). HeLa cells were treated with PMA/TPA (200 nM) at 37°C for 15 minutes after serum-starvation overnight.

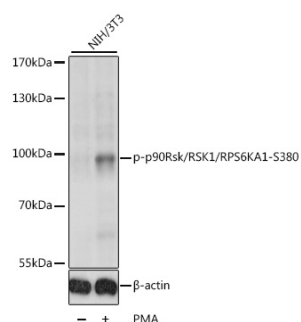
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates using Phospho-p90Rsk/RSK1/RPS6KA1-S380 Rabbit pAb (AP0562) at 1:1000 dilution. NIH/3T3 cells were treated with PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.

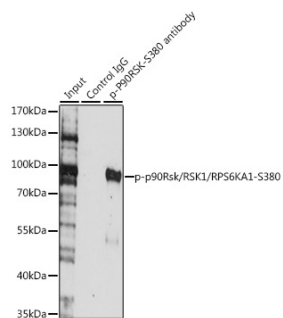
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunoprecipitation analysis of 200 μ g extracts of HeLa cells, using 3 μ g Phospho-p90Rsk/RSK1/RPS6KA1-S380 pAb (AP0562). Western blot was performed from the immunoprecipitate using Phospho-p90Rsk/RSK1/RPS6KA1-S380 pAb (AP0562) at a dilution of 1:1000. HeLa cells were treated with EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.