

AP0562

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# Phospho-p90Rsk/RSK1/RPS6KA1-S380 Rabbit pAb

Catalog No.: AP0562 **1 Publications**

## Basic Information

### Observed MW

90kDa

### Calculated MW

83kDa

### Category

Polyclonal Antibody

### Applications

WB,IP,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

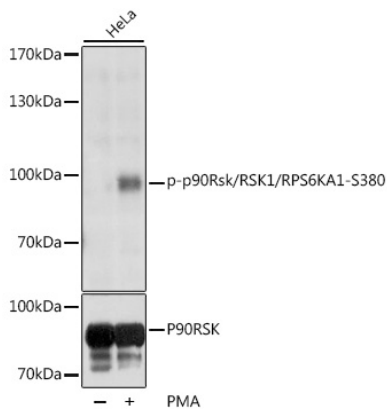
Store at -20°C. Avoid freeze / thaw cycles.

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

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## 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.

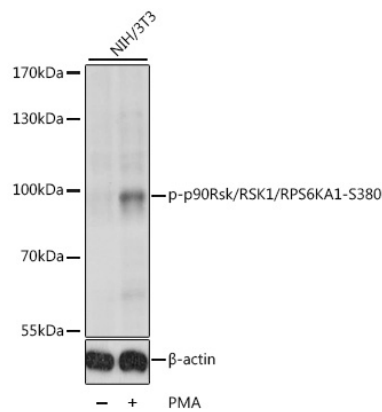
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.

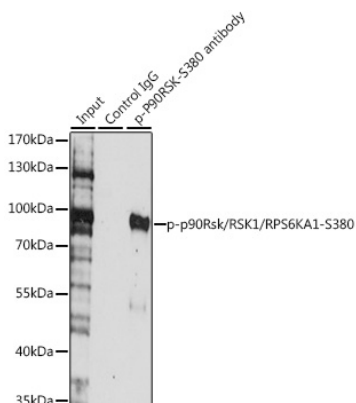
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells, using 3 µg 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.