

# RSK2 / RPS6KA3 Rabbit mAb

Catalog No.: A20868 **Recombinant**

## Basic Information

### Observed MW

84kDa

### Calculated MW

84kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2799

## Background

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical 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. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS).

## Recommended Dilutions

<b>WB</b>	1:100 - 1:500
<b>IHC-P</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

6197

### Swiss Prot

P51812

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 600-700 of human RSK2 / RPS6KA3 (P51812).

### Synonyms

CLS; RSK; HU-3; RSK2; MRX19; ISPK-1; XLID19; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3; RSK2 / RPS6KA3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

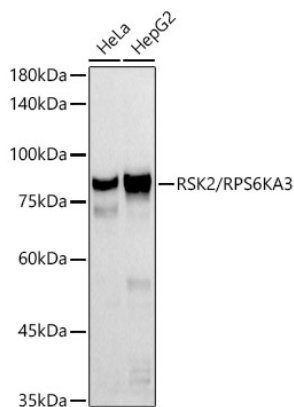
Affinity purification

### Storage

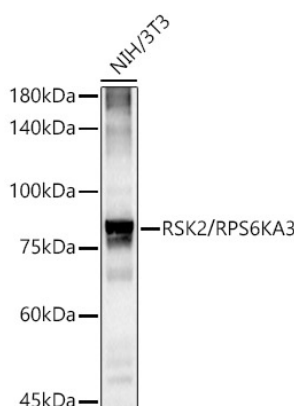
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

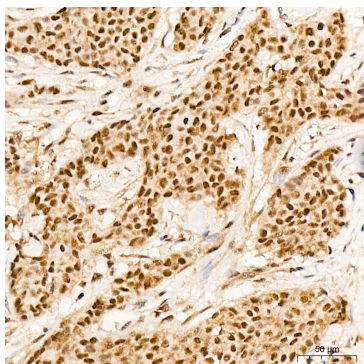
## Validation Data



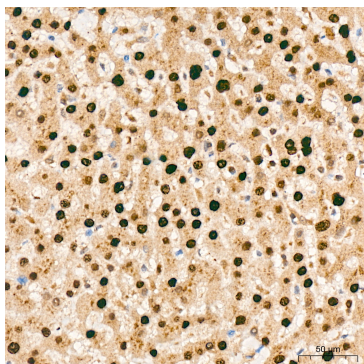
Western blot analysis of various lysates using RSK2 / RPS6KA3 Rabbit mAb (A20868) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



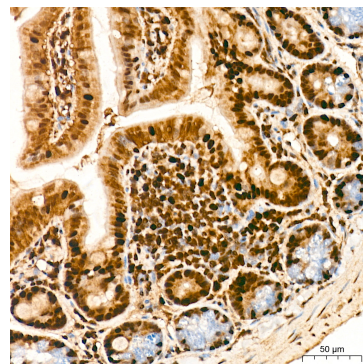
Western blot analysis of lysates from NIH/3T3 cells, using RSK2 / RPS6KA3 Rabbit mAb (A20868) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry analysis of RSK2 / RPS6KA3 in paraffin-embedded human breast cancer tissue using RSK2 / RPS6KA3 Rabbit mAb (A20868) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



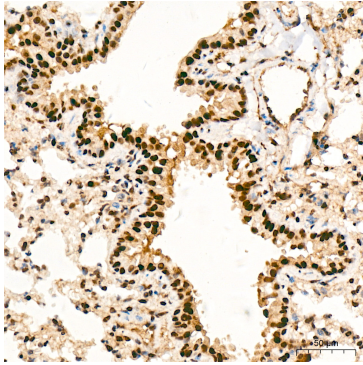
Immunohistochemistry analysis of RSK2 / RPS6KA3 in paraffin-embedded human liver tissue using RSK2 / RPS6KA3 Rabbit mAb (A20868) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



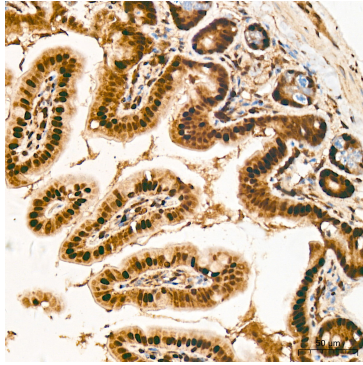
Immunohistochemistry analysis of RSK2 / RPS6KA3 in paraffin-embedded mouse intestine tissue using RSK2 / RPS6KA3 Rabbit mAb (A20868) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

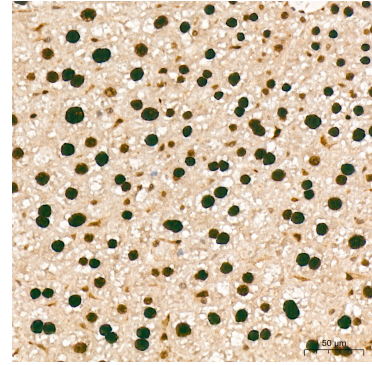
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Immunohistochemistry analysis of RSK2 / RPS6KA3 in paraffin-embedded mouse lung tissue using RSK2 / RPS6KA3 Rabbit mAb (A20868) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of RSK2 / RPS6KA3 in paraffin-embedded rat intestine tissue using RSK2 / RPS6KA3 Rabbit mAb (A20868) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of RSK2 / RPS6KA3 in paraffin-embedded rat liver tissue using RSK2 / RPS6KA3 Rabbit mAb (A20868) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.