

**Ribosomal S6 Kinase 2 Antibody**  
Affinity purified rabbit polyclonal antibody  
Catalog # AN1106

**Specification**

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**Ribosomal S6 Kinase 2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9WUT3</a>
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	90 KDa

**Ribosomal S6 Kinase 2 Antibody - Additional Information**

Gene ID	20112
Gene Name	RPS6KA2

**Other Names**

Ribosomal protein S6 kinase alpha-2, S6K-alpha-2, 90 kDa ribosomal protein S6 kinase 2, p90-RSK 2, p90RSK2, MAP kinase-activated protein kinase 1c, MAPK-activated protein kinase 1c, MAPKAP kinase 1c, MAPKAPK-1c, Protein-tyrosine kinase Mpk-9, Ribosomal S6 kinase 3, RSK-3, pp90RSK3, Rps6ka2, Mapkapk1c, Rsk3

**Target/Specificity**

Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH.

**Dilution**

WB~~ 1:1000

**Format**

Prepared from rabbit serum by affinity purification via chromatography on an affinity column made with the C-terminal peptide used as antigen.

**Antibody Specificity**

Specific for ~90k RSK2 protein.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Ribosomal S6 Kinase 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

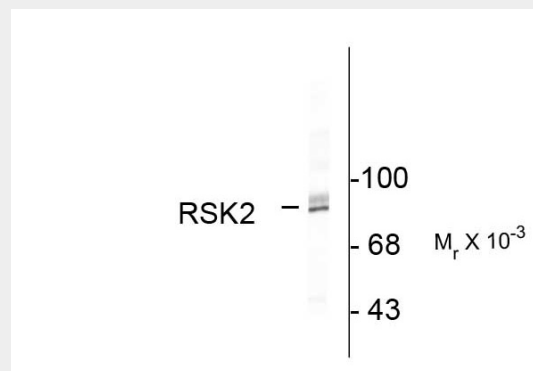
Blue Ice

## Ribosomal S6 Kinase 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Ribosomal S6 Kinase 2 Antibody - Images



Western blot of HeLa lysate showing specific immunolabeling of the ~90k RSK2 protein.

## Ribosomal S6 Kinase 2 Antibody - Background

The p90 ribosomal S6 kinases (RSK)1-4 are downstream members of the extracellular signal-regulated kinase (ERK)/MAPK cascade

The loss of RSK2 activity in humans leads to Coffin-Lowry syndrome, which is characterized by mental retardation and growth deficits (Hanauer and Young, 2002). Recent work suggests that RSK2 exerts a tonic regulation on G-protein coupled signaling (Sheffler et al., 2006).

## Ribosomal S6 Kinase 2 Antibody - References

Hanauer A, Young ID (2002) Coffin-Lowry syndrome: clinical and molecular features. *J Med Genet* 39:705-713.  
Sheffler DJ, Kroeze WK, Garcia BG, Deutch AY, Hu feisen SJ, Leahy P, Bruning JC, Roth BL (2006) p90 ribosomal S6 kinase 2 exerts a tonic brake on G protein-coupled receptor signaling. *Proc Natl Acad Sci (USA)* 103:4717-4722.