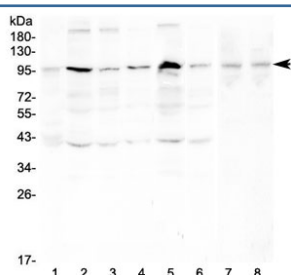


## RSK3 Antibody / RPS6KA2 (RQ4607)

| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ4607      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human, Mouse, Rat  |
| <b>Format</b>             | Antigen affinity purified  |
| <b>Host</b>               | Rabbit   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)   |
| <b>Isotype</b>            | Rabbit IgG   |
| <b>Purity</b>             | Antigen affinity purified  |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide                    |
| <b>UniProt</b>            | Q15349   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Direct ELISA : 0.1-0.5ug/ml (recombinant human protein) |
| <b>Limitations</b>        | This RSK3 antibody is available for research use only.                               |



Western blot testing of human 1) placenta, 2) HeLa, 3) PC-3, 4) A431, 5) K562, 6) PANC-1, 7) rat testis and 8) mouse testis with RSK3 antibody at 0.5ug/ml. Expected molecular weight ~90 kDa.

## Description

Ribosomal protein S6 kinase alpha-2, also called RSK3, is an enzyme that in humans is encoded by the RPS6KA2 gene. It is mapped to 6q27. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two 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. Alternative splice variants, encoding different isoforms, have been characterized.

## Application Notes

Optimal dilution of the RSK3 antibody should be determined by the researcher.

## Immunogen

Amino acids H658-L733 from the human protein were used as the immunogen for the RSK3 antibody.

## Storage

After reconstitution, the RSK3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.