

Product datasheet for **AM06696SU-N**

RPS6KA3 Mouse Monoclonal Antibody [Clone ID: 4E10]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 4E10 |
| Applications: | ELISA, FC, IF, WB |
| Recommended Dilution: | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Purified recombinant fragment of human RSK2 expressed in E. Coli. |
| Specificity: | This antibody reacts to RSK2. |
| Formulation: | State: Ascites State: Ascitic fluid containing 0.03% sodium azide. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 80 kDa |
| Gene Name: | ribosomal protein S6 kinase A3 |
| Database Link: | Entrez Gene 6197 Human P51812 |



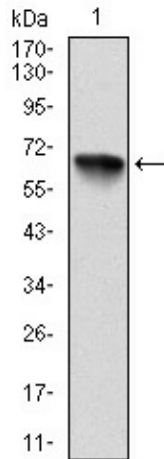
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Background:

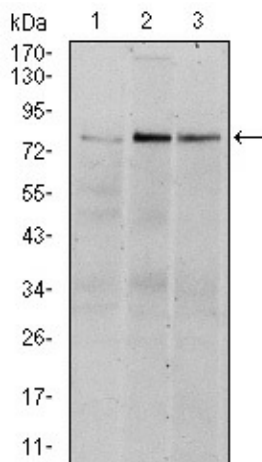
This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS).

Synonyms:

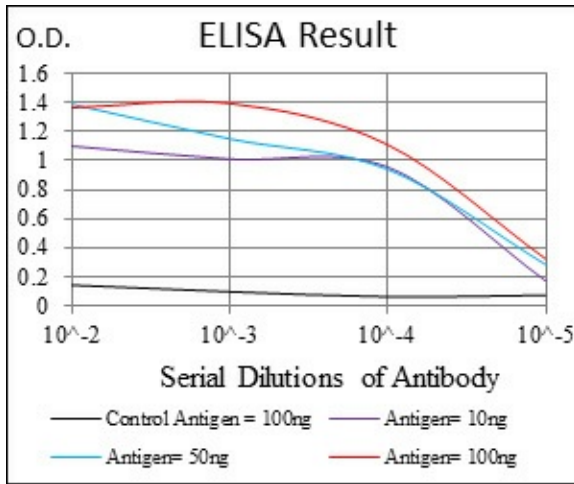
RSK-2, ISPK1, ISPK-1, MAPKAPK1, MAPKAPK-1b, S6K-alpha-3, p90RSK3, Ribosomal S6 kinase 2

Product images:


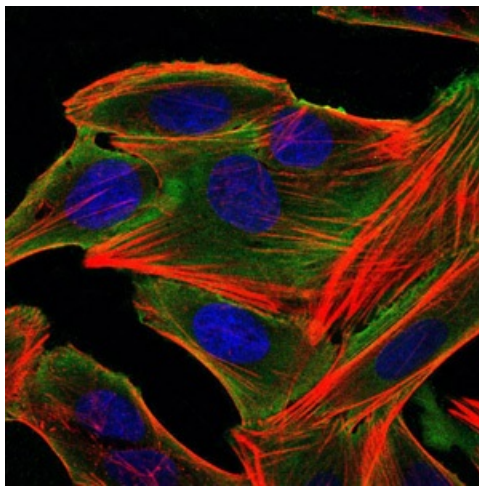
Western blot analysis using RSK2 mAb against human RSK2 (AA: 1-212) recombinant protein. (Expected MW is 49.7 kDa)



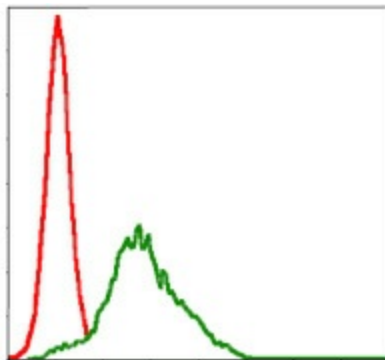
Western blot analysis using RSK2 mouse mAb against Hela (1), MCF-7 (2), and HepG2 (3) cell lysate.



Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunofluorescence analysis of HepG2 cells using RSK2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HepG2 cells using RSK2 mouse mAb (green) and negative control (red).