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# Product datasheet for TA302100

## RSK1 p90 (RPS6KA1) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | WB: 1:1000, IHC: 1:10~50 |
| **Reactivity:** | Human (Predicted: Mouse, Rat) |
| **Host:** | Rabbit |
| **Isotype:** | Ig |
| **Clonality:** | Polyclonal |
| **Immunogen:** | This RPS6KA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 710-735 amino acids from human RPS6KA1. |
| **Formulation:** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| **Concentration:** | lot specific |
| **Purification:** | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 82723 Da |
| **Gene Name:** | ribosomal protein S6 kinase A1 |
| **Database Link:** | NP_002944 Entrez Gene 20111 MouseEntrez Gene 81771 RatEntrez Gene 6195 Human |
| **Background:** | RPS6KA1 is 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. |
| **Synonyms:** | HU-1; MAPKAPK1A; p90Rsk; RSK; RSK1 |
| **Protein Families:** | Druggable Genome, Protein Kinase |
| **Protein Pathways:** | Long-term potentiation, MAPK signaling pathway, mTOR signaling pathway, Neurotrophin signaling pathway, Oocyte meiosis, Progesterone-mediated oocyte maturation |

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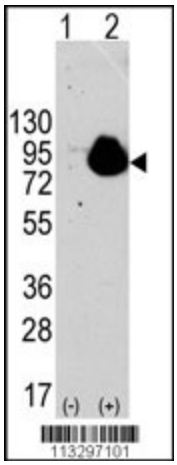
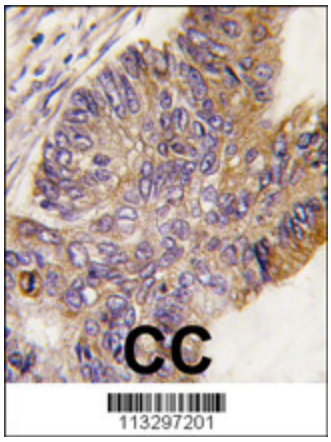
## Product images:




Western blot analysis of RPS6KA1 (arrow) using rabbit polyclonal RPS6KA1 Antibody (S732). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the RPS6KA1 gene (Lane 2) (Origene Technologies).




Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with RPS6KA1 Antibody (S732), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.