

## Rabbit S6K (RPS6KB1) Polyclonal Antibody | anti-RPS6KB1 antibody

S6K (RPS6KB1) Antibody (Center)

| CATALOG # | HOST   | REACTIVITY                                               | APPLICATIONS                              |
|-----------|--------|----------------------------------------------------------|-------------------------------------------|
| AAA284846 | Rabbit | Human (Predicted Reactivity: Bovine, Mouse, Rabbit, Rat) | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

S6K (RPS6KB1); Polyclonal Antibody; S6K (RPS6KB1) Antibody (Center); Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; Serine/threonine-protein kinase 14A; p70 ribosomal S6 kinase alpha; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA; RPS6KB1; STK14A; anti-RPS6KB1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                           |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                    |
| Reactivity                                        | Human (Predicted Reactivity: Bovine, Mouse, Rabbit, Rat)                                                                                                                                  |
| Clonality                                         | Polyclonal                                                                                                                                                                                |
| Isotype                                           | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                       | This S6K (RPS6KB1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 277-306 amino acids from the Central region of human S6K (RPS6KB1).       |
| Purity/Purification                               | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                       | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                     | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                                | 277-306                                                                                                                                                                                   |
| Sequence Length                                   | 451                                                                                                                                                                                       |
| Applicable Applications for anti-RPS6KB1 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                      |
| Antigen Type                                      | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                    | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                           | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

### IMAGES



#### IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with RPS6KB1 Antibody (Center) , 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.

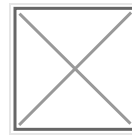


#### WB (Western Blot)

Western blot analysis of anti-RPS6KB1 Antibody (Center) Pab in 293 cell line lysates transiently transfected with the RPS6KB1 gene (2ug/lane). RPS6KB1 (arrow) was detected using the purified Pab.

**WB (Western Blot)**

Western blot analysis of anti-RPS6KB1 Antibody (Center) Pab pre-incubated with and without blocking peptide (BP#NULL) in 293 cell line lysate. RPS6KB1 Antibody (Center)(arrow) was detected using the purified Pab.

**WB (Western Blot)**

Western blot analysis of anti-RPS6KB1 Antibody (Center) Pab in Jurkat cell line lysates (35ug/lane). RPS6KB1 Antibody (Center)(arrow) was detected using the purified Pab.

**ADDITIONAL INFORMATION**

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-RPS6KB1 antibody</b> | 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 several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding the gene for RPS6KB1 and overexpression of this kinase are seen in some breast cancer cell lines. |
| <b>Product Categories/Family for anti-RPS6KB1 antibody</b>   | <a href="#">Cancer</a> ; <a href="#">Cell Biology</a> ; <a href="#">Metabolism</a> ; <a href="#">Neuroscience</a> ; <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                                                                                                            |
| <b>References</b>                                            | Adem, C., et al., Genes Chromosomes Cancer 41(1):1-11 (2004).<br>Suzuki, Y., et al., Genome Res. 14(9):1711-1718 (2004).<br>Gomez-Cambronero, J., et al., Leuk. Res. 28(7):755-762 (2004).<br>Raught, B., et al., EMBO J. 23(8):1761-1769 (2004).<br>Miyakawa, M., et al., Endocr. J. 50(1):77-83 (2003).                                                                                                                                                                          |

**NCBI AND UNIPROT INFORMATION**

|                                         |                                                                                                                                                                              |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">440546416</a>                                                                                                                                                    |
| <b>NCBI GeneID</b>                      | <a href="#">6198</a>                                                                                                                                                         |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001258989.1</a> ; <a href="#">NP_003152.1</a>                                                                                                                 |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001272060.1</a>                                                                                                                                               |
| <b>UniProt Accession #</b>              | <a href="#">P23443</a> ; <a href="#">Q7Z721</a> ; <a href="#">B2R779</a> ; <a href="#">B4DLT4</a> ; <a href="#">B4DTG1</a> ; <a href="#">E7ESB8</a> ; <a href="#">F6UYM1</a> |
| <b>Molecular Weight</b>                 | 59140                                                                                                                                                                        |
| <b>NCBI Official Full Name</b>          | ribosomal protein S6 kinase beta-1 isoform e                                                                                                                                 |
| <b>NCBI Official Synonym Full Names</b> | ribosomal protein S6 kinase, 70kDa, polypeptide 1                                                                                                                            |
| <b>NCBI Official Symbol</b>             | RPS6KB1                                                                                                                                                                      |
| <b>NCBI Official Synonym Symbols</b>    | S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha                                                                                            |
| <b>NCBI Protein Information</b>         | ribosomal protein S6 kinase beta-1                                                                                                                                           |
| <b>UniProt Protein Name</b>             | Ribosomal protein S6 kinase beta-1                                                                                                                                           |
| <b>UniProt Gene Name</b>                | <b>RPS6KB1</b>                                                                                                                                                               |
| <b>UniProt Synonym Gene Names</b>       | STK14A; S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA                                                                                   |
| <b>UniProt Entry Name</b>               | KS6B1_HUMAN                                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/s6k-rps6kb1-antibody-immunohistochemistry-western-blot-elisa/284846>