

## p70 S6 Kinase Antibody | anti-p70-S6K antibody

p70 S6 Kinase (Phospho-Ser424) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111779</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

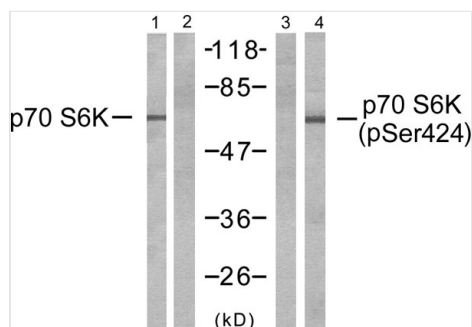
### PRODUCT SYNONYMS

p70 S6 Kinase; p70 S6 Kinase (Phospho-Ser424) Antibody; Ribosomal protein S6 kinase I; S6K; S6K1; 70 kDa ribosomal protein S6 kinase 1; p70 S6 kinase alpha; p70(S6K)-alpha; P70S6K; p70-alpha; anti-p70-S6K antibody

### PRODUCT SPECIFICATIONS

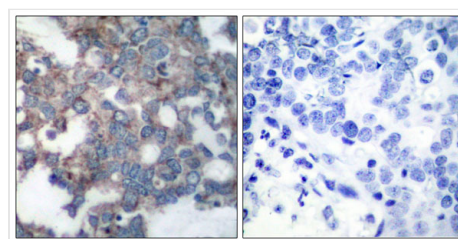
|                                                   |                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                       | p70 S6 Kinase (Phospho-Ser424) antibody detects endogenous levels of p70 S6 Kinase only when phosphorylated at serine 424.                                                                                                                          |
| Purity/Purification                               | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                       | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                   | 502                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-p70-S6K antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                         | The antiserum was produced against synthesized phosphopeptide derived from human p70 S6 Kinase around the phosphorylation site of serine 424 (P-V-SP-P-V).                                                                                          |
| All Sites                                         | Human: Ser424<br>Mouse: Ser424<br>Rat: Ser424                                                                                                                                                                                                       |
| Preparation and Storage                           | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from 293 cells, untreated or treated with serum(15%), using p70 S6 Kinase (Ab-424) antibody (Line 1 and 2) and p70 S6 Kinase (Phospho-Ser424) antibody (Line 3 and 4).



#### IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase (Phospho-Ser424) antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-p70-S6K antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                             |
| References                                          | Philip J. Papst, et al. (1998) J. Biol. Chem; 273: 15077. Satoru Eguchi, et al. (999) J. Biol. Chem 1; 274: 36843. Ana González-García, et al. (2002) J. Biol. Chem; 277: 1500-1508. Ulrike Krause, et al. (2002) Eur. J. Biochem; 269: 3751. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| NCBI GI #                        | 440546395                                                                                  |
| NCBI GeneID                      | 6198                                                                                       |
| NCBI Accession #                 | NP_001258971.1                                                                             |
| NCBI GenBank Nucleotide #        | NM_001272042.1                                                                             |
| UniProt Accession #              | P23443; Q7Z721; B2R779; B4DLT4; B4DTG1; E7ESB8; F6UYM1                                     |
| Molecular Weight                 | 51,016 Da                                                                                  |
| NCBI Official Full Name          | ribosomal protein S6 kinase beta-1 isoform b                                               |
| NCBI Official Synonym Full Names | ribosomal protein S6 kinase B1                                                             |
| NCBI Official Symbol             | RPS6KB1                                                                                    |
| NCBI Official Synonym Symbols    | S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha          |
| NCBI Protein Information         | ribosomal protein S6 kinase beta-1                                                         |
| UniProt Protein Name             | Ribosomal protein S6 kinase beta-1                                                         |
| UniProt Gene Name                | RPS6KB1                                                                                    |
| UniProt Synonym Gene Names       | STK14A; S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA |

**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/p70-s6k-human-mouse-rat-antibody/p70-s6-kinase/111779>