

**Recombinant Phospho-p70 S6 Kinase 1 (Thr389) Monoclonal Antibody**

catalog number: AN300363P

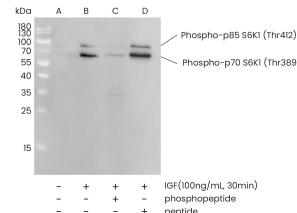
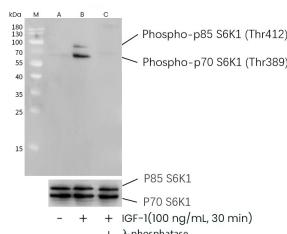
Note: Centrifuge before opening to ensure complete recovery of vial contents.

**Description**

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human  |
| <b>Immunogen</b>    | A synthetic phosphopeptide corresponding to residues around Thr389 of human p70 S6 kinase 1. |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Clone</b>        | B285   |
| <b>Purification</b> | Protein A  |
| <b>Buffer</b>       | 0.2 μm filtered solution in PBS  |

**Applications****Recommended Dilution**

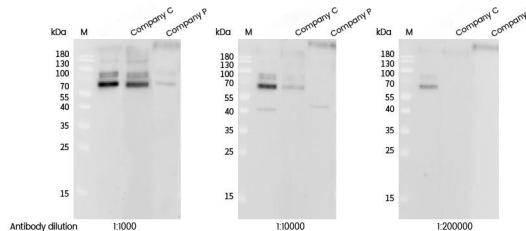
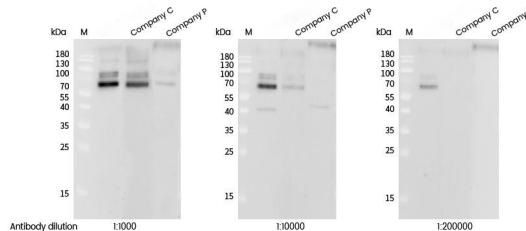
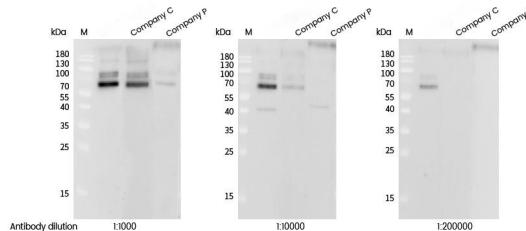
|    |                 |
|----|-----------------|
| WB | 1:1000-1:200000 |
|----|-----------------|

**Data**

Western blot analysis of extracts from serum-starved MCF7, untreated (line A); treated with IGF-1 (100 ng/mL, 30 min; +) untreated (line A); treated with IGF-1 (100 ng/mL, 30 min), (line B); treated with IGF-1 and λ-phosphatase (line C) using without peptide (line B) or antigen-specific phosphopeptide

Phospho-S6K1 (Thr389) rabbit monoclonal Antibody at 1:5000 dilution.(upper), or Anti-RPS6KB1 rabbit polyclonal antibody (lower) at 1:5000 dilution.

untreated (line A); treated with IGF-1 (100 ng/mL, 30 min), (line C) or antigen-specific peptide (line D) using Phospho-S6K1 (Thr389) rabbit monoclonal Antibody at 1:5000 dilution.

**Observed-MW:60 kDa,80 kDa****Calculated-MW:59 kDa****Observed-MW:60 kDa,80 kDa****Calculated-MW:59 kDa**

Western blot analysis of extracts from serum-starved MCF7, treated with IGF-1 (100 ng/mL, 30 min), using Phospho-S6K1 (Thr389) rabbit monoclonal Antibody (Sino) and other brands' antibodies (company C, company P) at dilution. of 1:1000, 1:10000 and 1:200000.

**Observed-MW:60 kDa,80 kDa****Calculated-MW:59 kDa****Preparation & Storage****For Research Use Only**

Toll-free: 1-888-852-8623

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Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.1

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping**

Ice bag

**Background**

This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17.

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