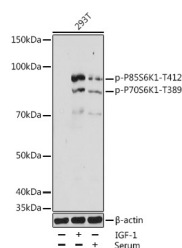


## Phospho-P70S6K1(T389) Polyclonal Antibody

<b>Catalog No.</b>	E-AB-68240	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB	<b>Isotype</b>	IgG

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

### Images



Western blot analysis of extracts of 293T cells using Phospho-P70S6K1(T389) Polyclonal Antibody at dilution of 1:1000. 293T cells were treated by IGF-1 (50 ng/ml) at 37°C for 5 minutes after serum-starvation overnight. 293T cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation overnight.

### Immunogen Information

<b>Immunogen</b>	A phospho synthetic peptide corresponding to residues surrounding T389 of human P70S6K1.
<b>GeneID</b>	6198
<b>Swissprot</b>	P23443
<b>Synonyms</b>	PS6K,S6K,S6K-beta-1,S6K1,STK14A,p70-S6K,p70-alpha,P70S6K,RPS6KB1,p70S6KA

### Product Information

<b>Calculated MW</b>	59kDa
<b>Observed MW</b>	85kDa/90kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000

### 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.

#### For Research Use Only

Thank you for your recent purchase.  
 If you would like to learn more about antibodies, please visit [www.elabscience.com](http://www.elabscience.com).

**Focus on your research  
 Service for life science**

Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.