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**Product Name: p70 S6 kinase  $\beta$  (phospho Ser423) Rabbit Polyclonal Antibody****Catalog #: APRab05194**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:10000
<b>Molecular Weight</b>	53kDa

**Antigen Information**

<b>Gene Name</b>	RPS6KB2 RPS6KB2; STK14B; Ribosomal protein S6 kinase beta-2; S6K-beta-2; S6K2; 70 kDa ribosomal
<b>Alternative Names</b>	protein S6 kinase 2; P70S6K2; p70-S6K 2; S6 kinase-related kinase; SRK; Serine/threonine-protein kinase 14B; p70 ribosomal S6 kinase beta; S6K-beta; p70
<b>Gene ID</b>	6199.0
<b>SwissProt ID</b>	Q9UBS0
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p70 S6 Kinase beta around the phosphorylation site of Ser423. AA range:389-438

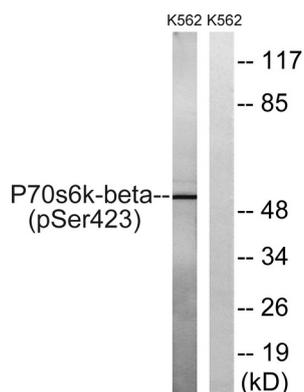
## Background

ribosomal protein S6 kinase B2(RPS6KB2) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains a kinase catalytic domain and phosphorylates the S6 ribosomal protein and eukaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation. [provided by RefSeq, Jan 2015],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Phosphorylates specifically ribosomal protein S6.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,

## Research Area

Insulin Receptor; Regulates Angiogenesis; mTOR; B Cell Receptor; AMPK

## Image Data



Western blot analysis of lysates from K562 cells treated with EGF 200ng/ml 5', using p70 S6 Kinase beta (Phospho-Ser423) Antibody. The lane on the right is blocked with the phospho peptide.