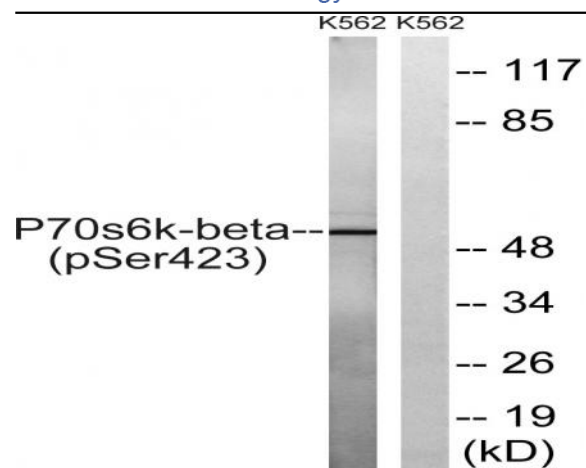


**p70 S6 kinase  $\beta$  (phospho Ser423) Polyclonal Antibody**

<b>Catalog No :</b>	YP0428
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	P70S6k
<b>Fields :</b>	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>ErbB signaling pathway;>>HIF-1 signaling pathway;>>Autophagy - animal;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>TGF-beta signaling pathway;>>Apelin signaling pathway;>>Fc gamma R-mediated phagocytosis;>>Thermogenesis;>>Insulin signaling pathway;>>Insulin resistance;>>Shigellosis;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Human immunodeficiency virus 1 infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Chemical carcinogenesis - receptor activation;>>Colorectal cancer;>>Pancreatic cancer;>>Acute myeloid leukemia;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer;>>Choline metabolism in cancer;>>PD-L1 expression and PD-1 checkpoint pathway in cancer
<b>Gene Name :</b>	RPS6KB2
<b>Protein Name :</b>	Ribosomal protein S6 kinase beta-2
<b>Human Gene Id :</b>	6199
<b>Human Swiss Prot No :</b>	Q9UBS0
<b>Mouse Gene Id :</b>	58988
<b>Mouse Swiss Prot No :</b>	Q9Z1M4
<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
<b>Specificity :</b>	Phospho-p70 S6 kinase $\beta$ (S423) Polyclonal Antibody detects endogenous levels of p70 S6 kinase $\beta$ protein only when phosphorylated at S423.

<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	53kD
<b>Cell Pathway :</b>	Insulin Receptor; Regulates Angiogenesis; mTOR; B Cell Receptor; AMPK
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Cytoplasm. Nucleus.
<b>Expression :</b>	Brain,Epithelium,Lymph,

## Products Images



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.