

## p70 S6 kinase β (phospho Ser423) Polyclonal Antibody

Catalog No: YP0428

**Reactivity:** Human; Mouse

**Applications:** WB;ELISA

Target: P70S6k

**Fields:** >>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 -

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;>>PD-L1

expression and PD-1 checkpoint pathway in cancer

Gene Name: RPS6KB2

**Protein Name:** Ribosomal protein S6 kinase beta-2

Human Gene Id: 6199

**Human Swiss Prot** 

Q9UBS0

No:

Mouse Gene Id: 58988

**Mouse Swiss Prot** 

Q9Z1M4

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

p70 S6 Kinase beta around the phosphorylation site of Ser423. AA

range:389-438

**Specificity:** Phospho-p70 S6 kinase β (S423) Polyclonal Antibody detects endogenous

levels of p70 S6 kinase  $\beta$  protein only when phosphorylated at S423.



**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 53kD

**Cell Pathway:** Insulin Receptor; Regulates Angiogenesis; mTOR; B Cell Receptor; AMPK

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],

**Function :** 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.,

Subcellular

Location :

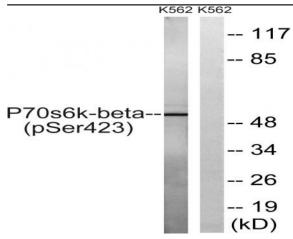
**Expression:** 

Cytoplasm. Nucleus.

Brain, Epithelium, Lymph,

## **Products Images**

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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.