

p70 S6 Kinase (Phospho Thr389) Rabbit pAb

CatalogNo: YP1427

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat, Bovine

Applications

- WB

MW

- 59kD (Calculated)

Isotype

- IgG

Storage

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

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

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human p70 S6 Kinase (Thr389)

Specificity This antibody detects endogenous levels of Human Mouse Rat p70 S6 Kinase (phospho-Thr389). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): GFTYV

| Target Information

Gene name RPS6KB1 STK14A P70S6K

Protein Name Ribosomal protein S6 kinase beta-1, p70 S6 Kinase (Thr389)

| Organism | Gene ID | UniProt ID |
|----------|-------------------------|--------------------------|
| Human | 6198 ; | P23443 ; |
| Mouse | 72508 ; | Q8BSK8 ; |
| Rat | 83840 ; | P67999 ; |

Cellular Localization Cell junction, synapse, synaptosome . Mitochondrion outer membrane. Mitochondrion. Colocalizes with URI1 at mitochondrion.; [Isoform Alpha I]: Nucleus. Cytoplasm.; [Isoform Alpha II]: Cytoplasm.

Tissue specificity Widely expressed.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activation by serine/threonine phosphorylation and protein kinase C, inactivated by type 2A phosphatase.,Function:Phosphorylates specifically ribosomal protein S6 in response to insulin or several classes of mitogens.,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.,subunit:Interacts with PPP1R9A/neurabin-1.,tissue specificity:Widely expressed.,

| Validation Data

| Contact information

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