Leader in Biomolecular Solutions for Life Science

Phospho-p70 S6 Kinase 1-T389 Rabbit mAb

Catalog No.: AP1636

Recombinant

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Basic Information

Observed MW
70 kDa/85 kDa

Calculated MW
51-59 kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Mouse, Rat

Clone No.
ARC3899

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.

Recommended Dilutions

WB 1:5000 - 1:15000

ELISA

Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
6198

Swiss-Prot
P23443

Immunogen
This information is considered to be commercially sensitive.

Synonyms
S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70 (S6K)-alpha

Contact

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Product Information

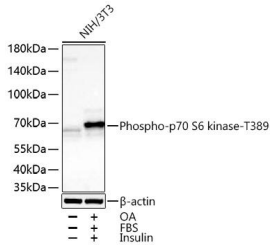
Source
Rabbit

Isotype
IgG

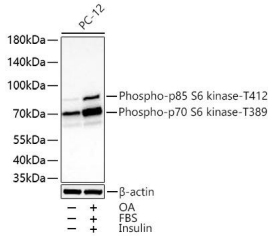
Purity
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3

Validation Data



Western blot analysis of lysates from NIH/3T3 cells using Phospho-p70 S6 Kinase 1-T389 Rabbit mAb (AP1636) at 1:11000 dilution incubated overnight at 4℃. NIH/3T3 cells were treated with OA (50 nM) at 37℃ for 1 hour, FBS (20%) at 37℃ for 1 hour and Insulin (100 nM) at 37℃ for 30 minutes after serum starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



Western blot analysis of lysates from PC-12 cells using Phospho-p70 S6 Kinase 1-T389 Rabbit mAb (AP1636) at 1:11000 dilution incubated overnight at 4℃. PC-12 cells were treated with OA (50 nM) at 37℃ for 1 hour, FBS (20%) at 37℃ for 1 hour and Insulin (100 nM) at 37℃ for 30 minutes after serum starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.