Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Phospho-p70 S6 kinase-T389 Rabbit mAb

Catalog No.: AP1624 Recombinant

Basic Information

Observed MW
70 kDa

Calculated MW
51-59 kDa

Category
Primary antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC81165

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	1:1000 - 1:5000
IHC-P	1:300 - 1:1200
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
Synthetic peptide. 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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

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

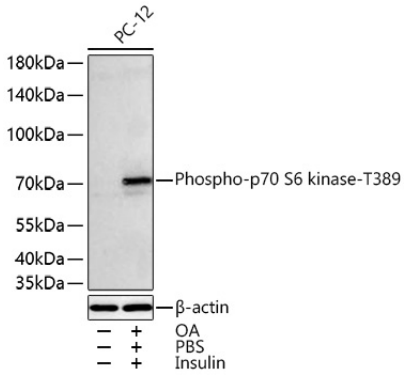
Contact

400-999-6126

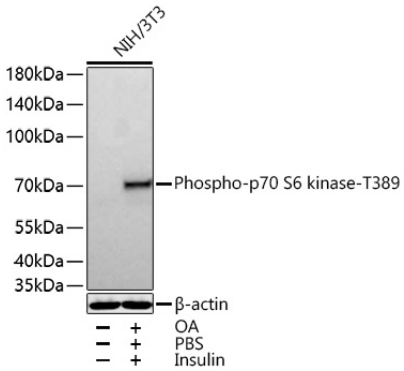
cn.market@abclonal.com.cn

www.abclonal.com.cn

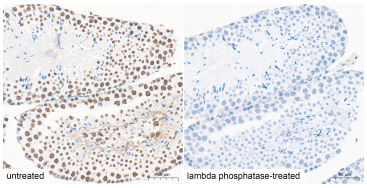
Validation Data



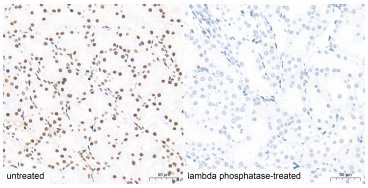
Western blot analysis of various lysates using Phospho-p70 S6 kinase-T389 Rabbit mAb (AP1624) at 1:1000 dilution incubated overnight at 4℃. PC-12 cells were treated with OA (50 nM) at 37℃ for 1 hour, FBS (20%) at 37℃ for 1 hour and Insulin (100 nM) at 37℃ for 1 hour after serum starvation overnight.
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 various lysates using Phospho-p70 S6 kinase-T389 Rabbit mAb (AP1624) at 1:5000 dilution incubated overnight at 4℃. NIH/3T3 cells were treated with OA (50 nM) at 37℃ for 1 hour, Insulin (100 nM) at 37℃ for 1 hour and FBS (20%) at 37℃ for 1 hour 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: 90 s.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-p70 S6 kinase-T389 Rabbit mAb (AP1624) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-p70 S6 kinase-T389 Rabbit mAb (AP1624) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.