

## ARG63503 anti-p70 S6 Kinase antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes p70 S6 Kinase
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	p70 S6 Kinase
Species	Human
Immunogen	C-MISKRPEHLRMNL
Conjugation	Un-conjugated
Alternate Names	p70 S6 kinase alpha; p70(S6K)-alpha; p70-alpha; p70 S6KA; S6K; STK14A; S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; 70 kDa ribosomal protein S6 kinase 1; S6K-beta-1; P70S6K1; PS6K; p70 ribosomal S6 kinase alpha; p70-S6K; EC 2.7.11.1; Serine/threonine-protein kinase 14A; p70 S6K-alpha; Ribosomal protein S6 kinase beta-1

### Application Instructions

Application table	Application	Dilution
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

**Bioinformation****Database links**

[GeneID: 6198 Human](#)

[GeneID: 72508 Mouse](#)

[Swiss-port # P23443 Human](#)

[Swiss-port # Q8BSK8 Mouse](#)

**Background**

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

**Research Area**

Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody

**Calculated Mw**

59 kDa

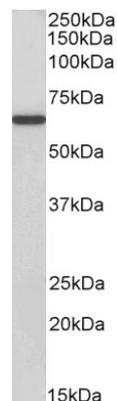
**PTM**

Phosphorylation at Thr-412 is regulated by mTORC1. The phosphorylation at this site is maintained by an agonist-dependent autophosphorylation mechanism (By similarity). Activated by phosphorylation at Thr-252 by PDPK1. Dephosphorylation by PPP1CC at Thr-412 in mitochondrion.

**Images**

ARG63503 anti-p70 S6 Kinase antibody WB image

Western blot: 35 µg of Human placenta lysate (in RIPA buffer) stained with ARG63503 anti-p70 S6 Kinase antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG63503 anti-p70 S6 Kinase antibody WB image

Western blot: 35 µg of NIH/3T3 cell lysate (in RIPA buffer) stained with ARG63503 anti-p70 S6 Kinase antibody at 1 µg/ml dilution and incubated at RT for 1 hour.