

#21261

## p70 S6 Kinase (Ab-411) Antibody

**Catalog:** #21261-1 50µl **Orders:** [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
#21261-2 100µl **Support:** [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)  
**Storage:** Store at -20°C/1 year **Web:** [www.signalwayantibody.com](http://www.signalwayantibody.com)



Application	Species Reactivity	Source	Molecular Wt.
WB IHC IF	Human Mouse Rat	Rabbit Polyclonal Ab	70 85KD

**Description:** Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

**Specificity:** The antibody detects endogenous level of total p70 S6 Kinase protein.

**Immunogen:** Peptide sequence around aa. 409~413 (I-R-S-P-R) derived from Human p70 S6 Kinase.

**Formulation:** Supplied at 1.0mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Synonyms:** KS6B1 P70-S6K RPS6KB1 S6K

**Accession No.:** Swiss-Prot#: P23443 NCBI Gene#: 6198  
NCBI Protein#: NP\_003152.1

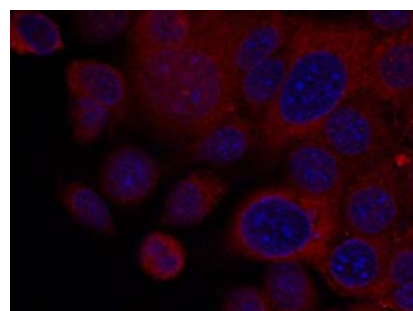
**Background:** Phosphorylates specifically ribosomal protein S6 in response to insulin or several classes of mitogens. Promotes protein synthesis by phosphorylating PDCD4 at 'Ser-67' and targeting it for degradation.

### References:

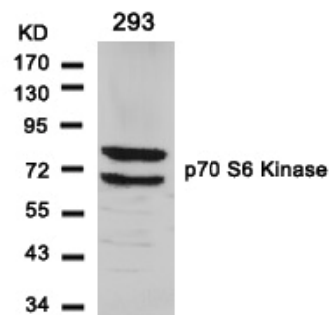
Satoru Eguchi et al. (1999) J Biol Chem, Vol. 274: 36843-36851  
Papst PJ, et al. (1998) J Biol Chem. 273(24):15077-84.  
Ulrike Krause et al. (2002) Eur. J. Biochem. 269: 3751-3759 c  
Le, X.F, et al. (2003) Oncogene 22: 484-97

### Recommended Dilutions:

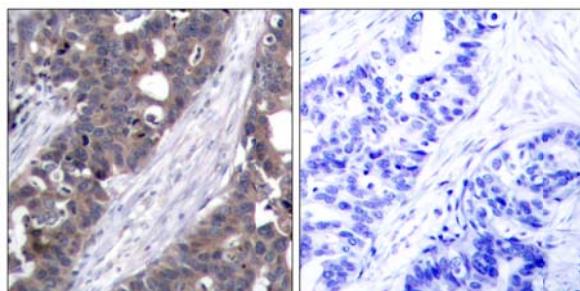
Western blotting 1:500~1:1000  
Immunohistochemistry 1:50~1:100  
Immunofluorescence 1:100~1:200



Immunofluorescence staining of methanol-fixed MCF7 cells using p70 S6 Kinase (Ab-411) Antibody #21261.



Western blot analysis of extracts from 293 cells using p70 S6 Kinase (Ab-411) Antibody #21261.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase (Ab-411) Antibody #21261 (left) or the same antibody preincubated with blocking peptide (right).

### Citation:

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**Related Pathway:** Cancer/Apoptosis, Akt, Insulin/Glucose, Translation

**Note:** For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

This product is for in vitro research use only and is not intended for use in humans or animals.