

p70 S6 Kinase(Phospho-Ser424) Antibody

Catalog No: #11284



Package Size: #11284-1 50ul #11284-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | p70 S6 Kinase(Phospho-Ser424) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB IHC IF |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of p70 S6 Kinase only when phosphorylated at serine 424. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 424 (P-V-S(p)-P-V) derived from Human p70 S6 Kinase. |
| Target Name | p70 S6 Kinase |
| Modification | Phospho |
| Other Names | KS6B1; P70-S6K; RPS6KB1; S6K; |
| Accession No. | Swiss-Prot: P23443NCBI Protein: NP_003152.1 |
| Uniprot | P23443 |
| GeneID | 6198; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

Application Details

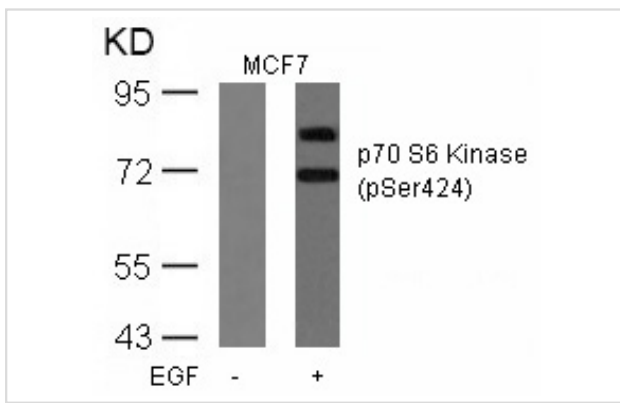
Predicted MW: 70 85 kd

Western blotting: 1:500~1:1000

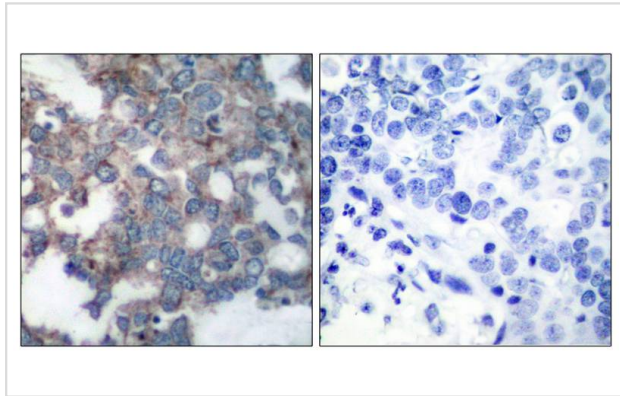
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

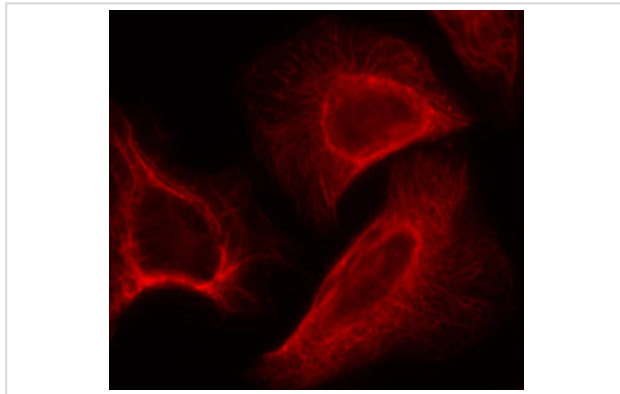
Images



Western blot analysis of extracts from MCF cells untreated or treated with EGF using p70 S6 Kinase(Phospho-Ser424) Antibody #11284.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase(Phospho-Ser424) Antibody #11284(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic, centrosomal and nuclear staining using p70 S6 Kinase(Phospho-Ser424) Antibody #11284.

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.

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

Note: This product is for in vitro research use only