

## p70 S6 Kinase(Phospho-Ser411) Antibody

Catalog No: #11269

Package Size: #11269-1 50ul #11269-2 100ul

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | p70 S6 Kinase(Phospho-Ser411) Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>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 411.  |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 411 (I-R-S(p)-P-R) 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 <sup>2+</sup> and Ca <sup>2+</sup> ), 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

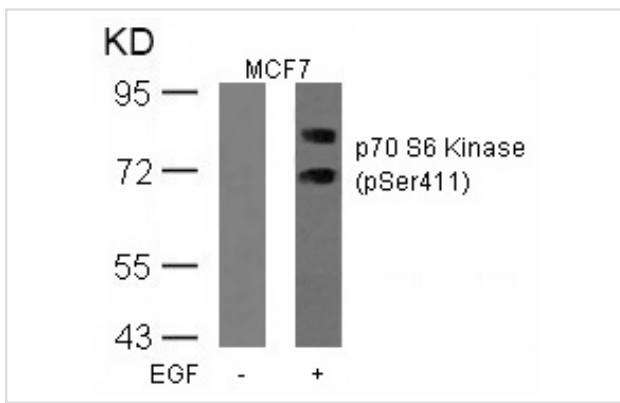
Predicted MW: 70 85 kd

Western blotting: 1:500~1:1000

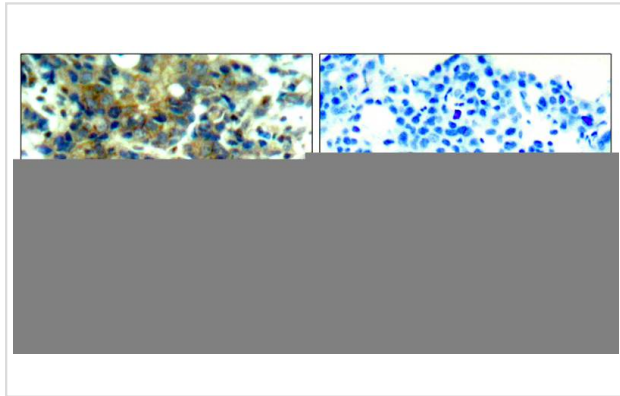
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

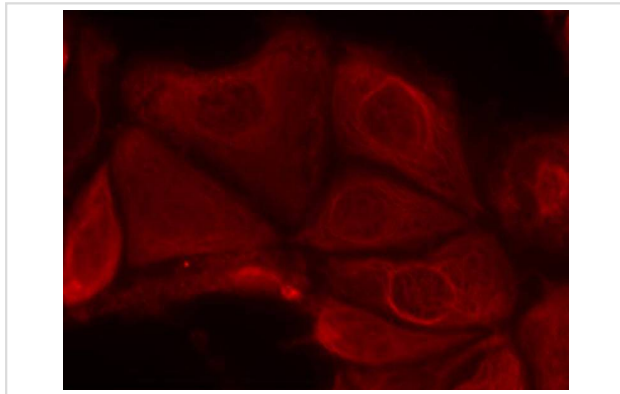
## Images



Western blot analysis of extracts from MCF7 cells untreated or treated with EGF using p70 S6 Kinase(Phospho-Ser411) Antibody #11269.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase(Phospho-Ser411) Antibody #11269(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using p70 S6 Kinase(Phospho-Ser411) Antibody #11269.

## 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