p70 S6 Kinase (Phospho-Ser411) Antibody

#11269

Catalog Number: 11269-1, 11269-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : P23443

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human p70 S6 Kinase around the phosphorylation site of serine 411 (I-R-S$_P$-P-R).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography usingepitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site.

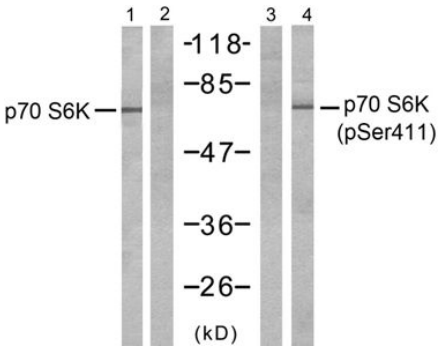
Specificity/Sensitivity:p70 S6 Kinase (phospho-Ser411) antibody detects endogenous levels of p70 S6 Kinase only when phosphorylated at serine 411

Reactivity: Human,Mouse, Rat

Applications:

Predicted MW: 70 85 kd

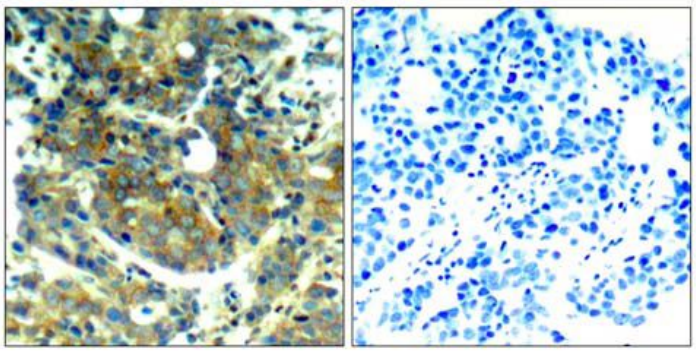
WB: 1:500~1:1000 IHC: 1:50-1:100 IF:1:100~1:200



Insulin + + − +

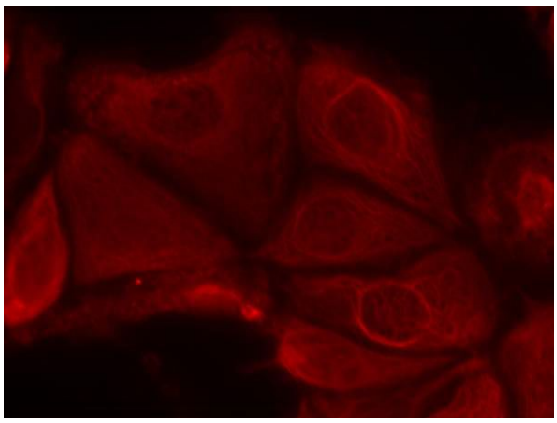
Peptide − + − −

Western blot analysis of extracts from 293 cells, untreated or treated with insulin (10μ/ml, 15min), using p70 S6 Kinase (Ab-411) antibody (#21261, Lane 1 and 2) and p70 S6 Kinase (phospho-Ser411) antibody (#11269, Lane 3 and 4)



P-Peptide − +

Immunohistochemical analysis of paraffin-embeddedhuman breast carcinoma tissue using p70 S6 Kinase (Phsopho-Ser411) antibody (#11269).



Immunofluorescence staining of methanol-fixed MCF7 cells using p70 S6 Kinase (phospho-Ser411)antibody (#11269, Red).

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