p70 S6 Kinase(Phospho-Ser424) Antibody

Catalog No: #11284

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

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

Description

Product Name	p70 S6 Kinase(Phospho-Ser424) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
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.
Conjugates	Unconjugated
Target Name	p70 S6 Kinase
Modification	Phospho
Other Names	KS6B1; P70-S6K; RPS6KB1; S6K;
Accession No.	Swiss-Prot: P23443NCBI Protein: NP_003152.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

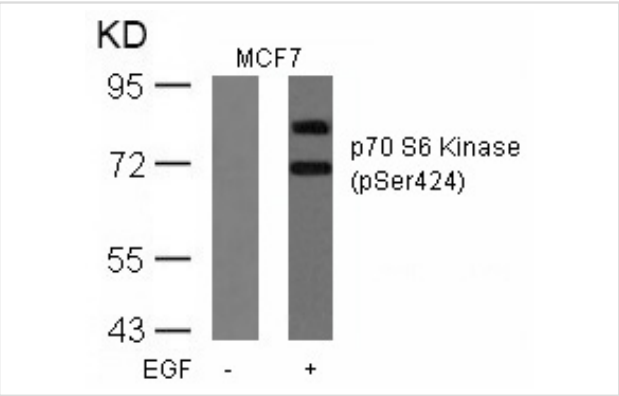
Predicted MW: 70 85 kd

Western blotting: 1:500~1:1000

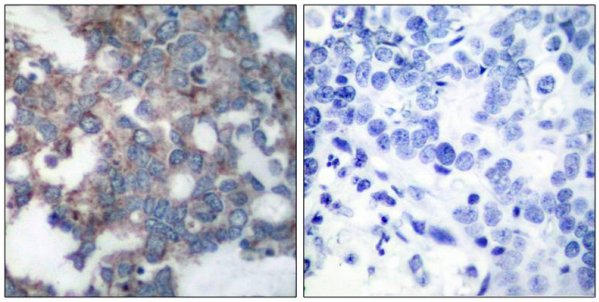
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

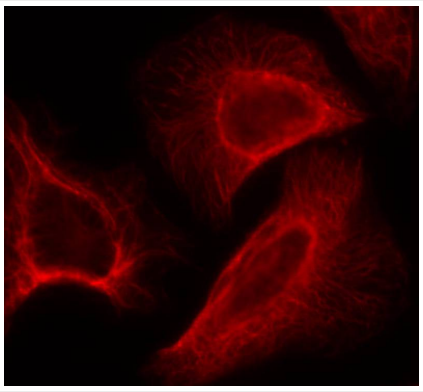
Images



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

Published Papers

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Jian Cheng;Miaomiao Sun;Xiao Dong;Yang Yang;Xiaohan Qin;Xing Zhou;Yongcheng Fu;Yuanyuan Wang;Jingyue Wang;Da Zhang el at., Predictive role of SLC1A5 in neuroblastoma prognosis and immunotherapy., , (2025)

PMID:39875895

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