

p70 S6 Kinase(Phospho-Ser424) Antibody

Catalog No: #11284

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

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.
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 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

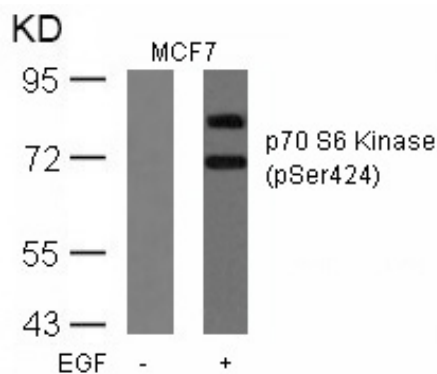
Predicted MW: 70 85 kd

Western blotting: 1:500~1:1000

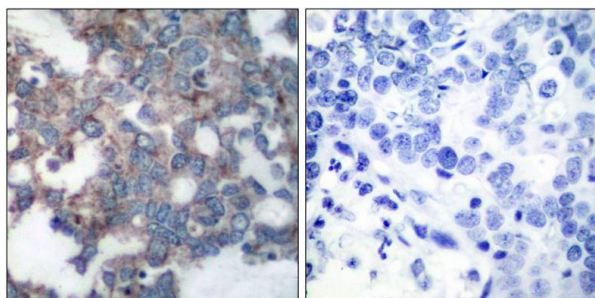
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

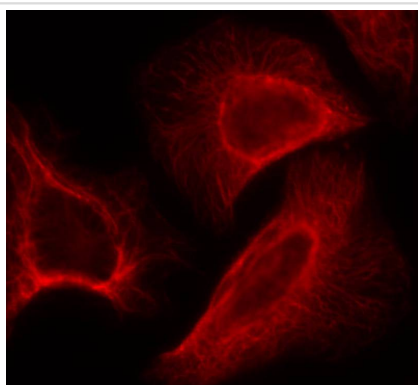
Images



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

Published Papers

el at., Activation of mammalian target of rapamycin pathway confers adverse outcome in nonsmall cell lung carcinoma ?In Cancer on 2011

Aug 15 by Dan Liu, Yi Huang, et al..PMID:21387259, , (2011)

[PMID:21387259](#)

el at., Dauricine Inhibits Insulin-Like Growth factor-I-induced Hypoxia Inducible Factor 1alpha Protein Accumulation and Vascular Endothelial Growth Factor Expression in Human Breast Cancer Cells.In Acta Pharmacol Sin on 2009 May by Xu-dong Tang , Xin Zhou,et al..PMID:19349962, , (2009)

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arrest.In Mol Med Rep on 2016 May by Bin Fan , Fu-Qaing Li et al..PMID: 27035647, , (2016)

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Jian Cheng;Miaomiao Sun;Xiao Dong;Yang Yang;Xiaohan Qin;Xing Zhou;Yongcheng Fu;Yuanyuan Wang;Jingyue Wang;Da Zhang et al., 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.