

p70 S6 Kinase(Phospho-Ser424) Antibody

Catalog No: #11284



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

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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
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

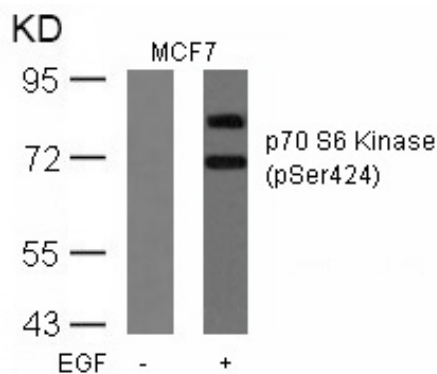
Predicted MW: 70 85 kd

Western blotting: 1:500~1:1000

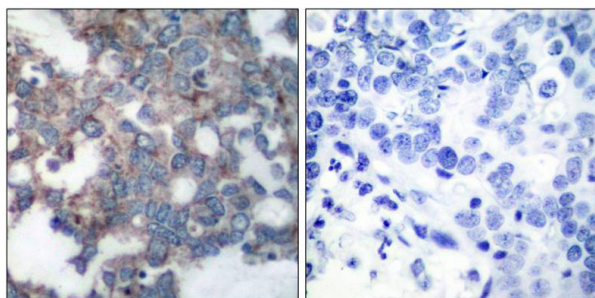
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

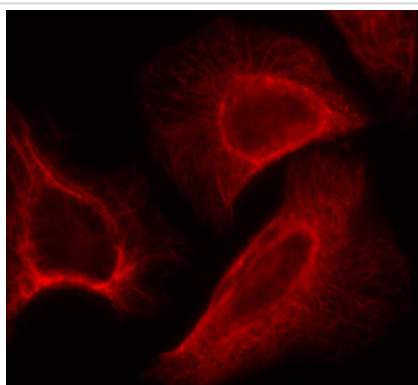
Images



Western blot analysis of extracts from MCF7 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., Inhibition of mTOR signaling protects photoreceptor cells against serum deprivation by reducing oxidative stress and inducing G2/M cell cycle arrest. In Mol Med Rep on 2016 May by Bin Fan , Fu-Qaing Li et al..PMID: 27035647, , (2016)

[PMID:27035647](#)

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

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