

p70 S6 Kinase (Phospho-Thr389/412) Antibody

Catalog No: #11974



Package Size: #11974-1 50ul #11974-2 100ul

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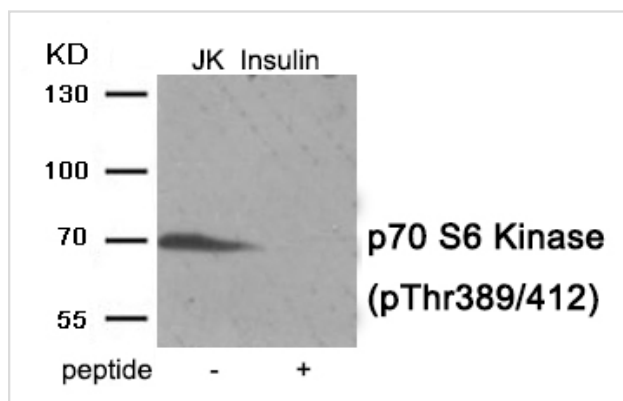
Description

Product Name	p70 S6 Kinase (Phospho-Thr389/412) 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 chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of p70 S6 Kinase only when phosphorylated at tyrosine 389/tyrosine 412.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine389/412(G-F-T(p)-Y-V) derived from Human p70 S6 Kinase .
Conjugates	Unconjugated
Target Name	p70 S6 Kinase
Modification	Phospho
Other Names	KS6B1; P70-S6K; RPS6KB1; Ribosomal protein S6 kinase; polypeptide 1
Accession No.	Swiss-Prot#: P23443; NCBI Gene#: 6198; NCBI Protein#: NP_001258971.1
SDS-PAGE MW	70kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Jurkat cells treated with Insulin using Phospho-p70 S6 Kinase (Thr389/412) antibody #11974. The lane on the right is treated with the antigen-specific peptide.

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.

Hong S, et al. (2014) J Biol Chem

Puustinen P, et al. (2014) CJ Cell Biol 204, 713-27

Martineau Y, et al. (2014) Mol Cell Biol 34, 1046-53

Published Papers

el at., 5-HT 2 receptor mediates high-fat diet-induced hepatic steatosis and very low density lipoprotein overproduction in rats. In Obes Res Clin Pract. On 2018 Jan - Feb by Li X, Guo K et al..PMID: 27133527, , (2018)

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el at., EBV-LMP1 Regulating AKT/mTOR Signaling Pathway and WWOX in Nasopharyngeal Carcinoma. In Int J Clin Exp Pathol on 2017 Aug 1 by Lingyan Qin, Xiaohong Li, et al..PMID: 31966718, , (2017)

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el at., miR-223 reverses the resistance of EGFR-TKIs through IGF1R/PI3K/Akt signaling pathway. In Int J Oncol. On 2016 May by J Han, F Zhao et al..PMID: 26936292, , (2016)

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el at., Long-term Stress with Hyperglucocorticoidemia-induced Hepatic Steatosis with VLDL Overproduction Is Dependent on both 5-HT2 Receptor and 5-HT Synthesis in Liver. In Int J Biol Sci on 2016 Jan 1 by Jihua Fu , Shaoxin Ma et al..PMID: 26884719, , (2016)

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el at., Effective treatment with combination of peripheral 5-HT₂ receptor antagonist on glucocorticoid-induced whole-body insulin resistance with hyperglycemia. In J Diabetes Investig on 2016 Nov by Shaoxin Ma , Tao Li et al..PMID:27177506, , (2016)

[PMID:27177506](#)

el at., Rapamycin enhances the anti-cancer effect of dasatinib by suppressing Src/PI3K/mTOR pathway in NSCLC cells. In PLoS One on 2015 Jun 10 by Bin Chen, Xin Xu, et al..PMID:26061184, , (2015)

[PMID:26061184](#)

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