p70 S6 Kinase (Phospho-Thr389/412) Antibody

Catalog No: #11974

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

Signalway Antibody
Orders: order@signalwayantibody.com
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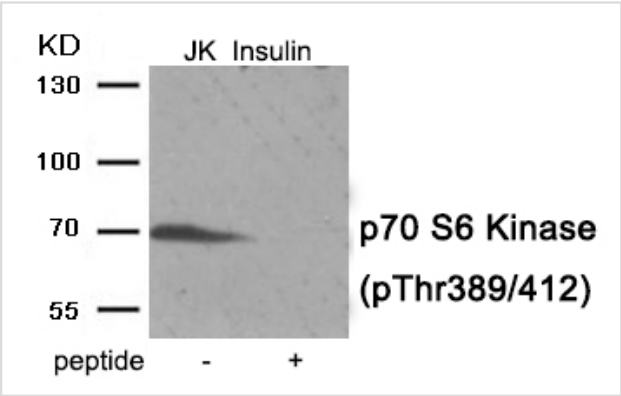
Description

Product Name	p70 S6 Kinase (Phospho-Thr389/412) 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 chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
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

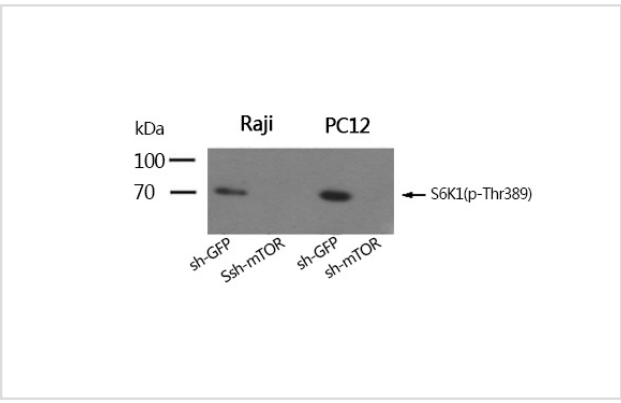
Application Details

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.



Western blotting analysis using p70 S6 Kinase (Phospho-Thr389/412) Antibody #11974.

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

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Published Papers

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