p70 S6 Kinase(Phospho-Thr421) Antibody

Catalog No: #11254

Package Size: #11254-1 50ul #11254-2 100ul

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

Description

Product Name	p70 S6 Kinase(Phospho-Thr421) 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 IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of p70 S6 Kinase only when phosphorylated at threonine 421.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 421 (P-R-T(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

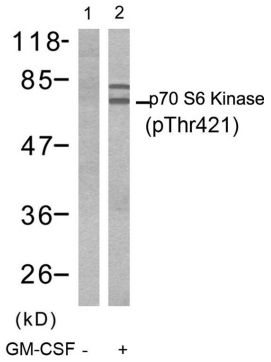
Predicted MW: 70 85 kd

Western blotting: 1:500~1:1000

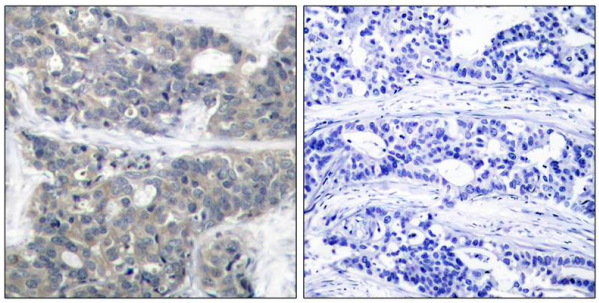
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

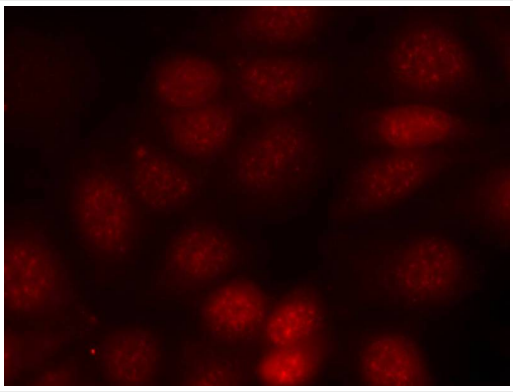
Images



Western blot analysis of extracts from Jurkat cells untreated(lane 1) or treated with GM-CSF(lane 2) using p70 S6 Kinase(Phospho-Thr421) Antibody #11254.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase(Phospho-Thr421) Antibody #11254(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF cells using p70 S6 Kinase(Phospho-Thr421) Antibody #11254.

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.

Xiao-Feng, et al. (2003) Le1 30 Volume 22: 484-497

An WL, et al. (2003) Am J Pathol. 163(2): 591-607.

Le XF, et al. (2003) Oncogene.22(4): 484-97

Published Papers

X Tang, X Zhou, K Zhou 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., Acta Pharmacologica Sinica., 30 (5): 605η— C616(2009)

PMID:19349962

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