p70 S6 Kinase Antibody | anti-P70-S6K antibody

p70 S6 Kinase (Phospho-Ser418) Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA111877	**Human, Mouse, Rat**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

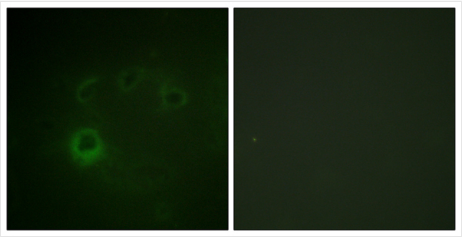
PRODUCT SYNONYMS

p70 S6 Kinase; p70 S6 Kinase (Phospho-Ser418) Antibody; EC 2.7.11.1; KS6B1; RPS6KB1; Ribosomal protein S6 kinase; 70kDa; polypeptide 1; S6K; kinase p70S6K; p70-S6K; anti-P70-S6K antibody

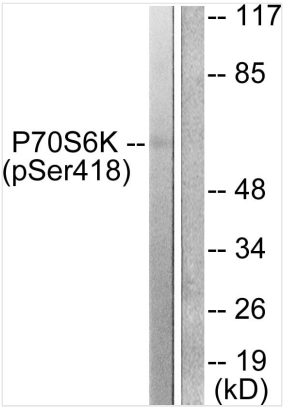
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	p70 S6 Kinase (Phospho-Ser418) antibody detects endogenous levels of P70S6K only when phosphorylated at serine 418.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	502
Applicable Applications for anti-P70-S6K antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human P70S6K around the phosphorylation site of serine 418 (I-G-SP-P-R).
All Sites	Human: Ser418 Mouse: Ser441 Rat: Ser418
Preparation and Storage	Store at-20 degree C for 1 year.

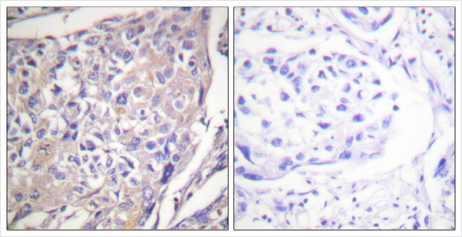
IMAGES



IF (Immunofluorescence)
P-peptide-+ Immunofluorescence analysis of COS7 cells, using p70 S6 Kinase (Phospho-Ser418) antibody.



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using p70 S6 Kinase (Phospho-Ser418) antibody. Western blot analysis of extracts from HT-29 cells, treated with serum (20%, 15mins), using p70 S6 Kinase (Phospho-Ser418) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-P70-S6K antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	O. Jameel Shah, J. Biol. Chem., Jan 2002; 277: 2525-2533. Chuanshu Huang, Cancer Res., Oct 2002; 62: 5689-5697. Isabelle Briaud, Diabetes, Apr 2003; 52: 974.

NCBI AND UNIPROT INFORMATION

NCBI GI #	440546395
NCBI GeneID	6198
NCBI Accession #	NP_001258971.1
NCBI GenBank Nucleotide #	NM_001272042.1
UniProt Accession #	P23443; Q7Z721; B2R779; B4DLT4; B4DTG1; E7ESB8; F6UYM1
Molecular Weight	51,016 Da
NCBI Official Full Name	ribosomal protein S6 kinase beta-1 isoform b
NCBI Official Synonym Full Names	ribosomal protein S6 kinase B1
NCBI Official Symbol	RPS6KB1
NCBI Official Synonym Symbols	S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha
NCBI Protein Information	ribosomal protein S6 kinase beta-1
UniProt Protein Name	Ribosomal protein S6 kinase beta-1
UniProt Gene Name	**RPS6KB1**
UniProt Synonym Gene Names	STK14A; S6K-beta-1; S6K1; P70S6K1; p70-S6K 1; p70 S6 kinase alpha; p70 S6K-alpha; p70 S6KA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/p70-s6k-human-mouse-rat-antibody/p70-s6-kinase/111877