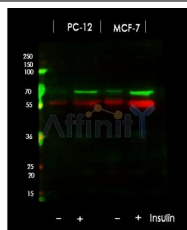

Phospho-p70 S6 Kinase (Thr389/412) Ab

Cat.#: AF3228
Size: 100ul,200ul

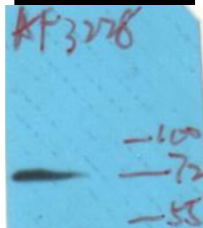
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 70kDa
Clonality: Polyclonal

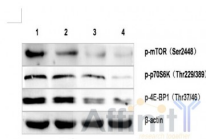
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat,Pig
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-p70 S6 Kinase (Thr389/412) Ab detects endogenous levels of p70 S6 Kinase only when phosphorylated at Threonine 389/412.
Immunogen:	A synthesized peptide derived from human p70 S6 Kinase around the phosphorylation site of Threonine 389/412.
Uniprot:	P23443
Description:	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein.
Subcellular Location:	Cytoplasm; Nucleus. Cytoplasm and Cell junction > synapse > synaptosome. Mitochondrion outer membrane.
Tissue Specificity:	Widely expressed.
Similarity:	The autoinhibitory domain is believed to block phosphorylation within the AGC-kinase C-terminal domain and the activation loop.The TOS (TOR signaling) motif is essential for activation by mTORC1.Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



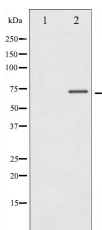
Western blot analysis of Phospho-p70 S6 Kinase (Thr389/412) using various lysates. Lanes 1 - 2: Merged signal (red and green). Green - AF3228 observed at 70 kDa. Red - loading control, T0023, observed at 55 kDa. Blots were developed with Goat Anti-Rabbit IgG(H+L) FITC-conjugated (S0008) and Goat Anti-Mouse IgG(H+L) Alexa Fluor 594-conjugated (S0005) secondary antibodies



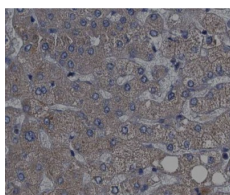
Western blot analysis of p70 S6 Kinase phosphorylation expression in Insulin treated Hela whole cell lysates. The lane on the right is treated with the antigen-specific peptide.



This image is a courtesy of anonymous review.



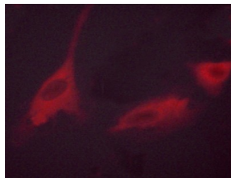
Western blot analysis of p70 S6 Kinase phosphorylation expression in Insulin treated Jurkat whole cell lysates. The lane on the left is treated with the antigen-specific peptide.



AF3228 at 1/200 staining human liver cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3228 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF3228 staining 293 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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