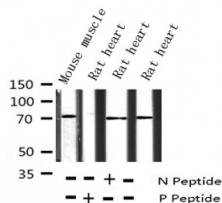

Phospho-p70 S6 Kinase (Ser411) Ab

Cat.#: AF3229
Size: 100ul,200ul

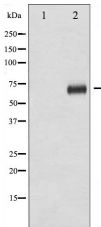
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 70kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
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 (Ser411) Ab detects endogenous levels of p70 S6 Kinase only when phosphorylated at Serine 411.
Immunogen:	A synthesized peptide derived from human p70 S6 Kinase around the phosphorylation site of Serine 411.
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 (Ser411) expression in various lysates



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



AF3229 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.

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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