

Phospho-S6 Kinase (Thr389/Thr412) Polyclonal Antibody

CATALOG #: 3505-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Phospho-S6 (Thr389) polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

SPECIES REACTIVITY: human, mouse, rat, rabbit

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

p70 S6 kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. P70 S6 kinase phosphorylates the S6 protein of the 40S ribosomal subunit and is involved in translational control of 5' oligopyrimidine tract mRNAs. A second isoform, p85 S6 kinase, is derived from the same gene and is identical to p70 S6 kinase except for 23 extra residues at the N-terminus that encode a nuclear localizing signal. Both isoforms lie on a mitogen-activated signaling pathway downstream of phosphoinositide 3 kinase (PI3K) and the target of rapamycin FRAP/mTOR, and distinct from the Ras/MAP kinase cascade.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody detects p70 S6 kinase only when phosphorylated at Thr389.

FOR RESEARCH USE ONLY! Not to be used in human subjects!

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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