

P70 S6 Kinase Polyclonal Antibody

CATALOG #:	3485-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide near the C-terminus of human p70 S6 kinase.
FORMULATION:	100 µg (0.5 mg/ml) antigen affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% sodium azide.
SPECIES REACTIVITY:	Human, Mouse, Rat
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 and p90 Rsk kinase are the two distinct 40S ribosomal protein S6 Ser/Thr kinases present in somatic animal cells. p90 Rsk kinase is maximally activated within minutes of addition of growth factors or phorbol ester to cultured cells followed by activation of p70 S6 kinase. Both enzymes are regulated by serine/threonine phosphorylation, suggesting that specific kinases may exist upstream in the signaling pathways that regulate these kinases.
SPECIFICITY:	The antibody recognizes p70 S6 kinase of human, mouse, and rat origins. Reactivity to other species has not been tested.
APPLICATION:	The antibody can be used in Western blotting (1 µg/ml), immunoprecipitation (10-20 µg/ml), and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.

FOR RESEARCH USE ONLY! Not to be used on humans.

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