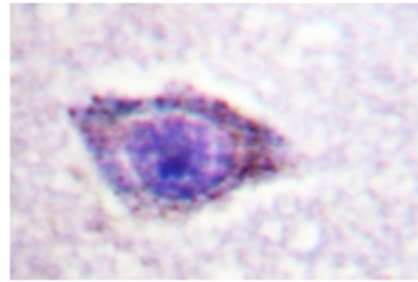


Polyclonal Antibody to p70 S6 Kinase (p70S6K) pThr229 - Aff - Purified

Alternate names:	K6B1, P70 beta 1, RPS6KB1, RPS6KB2, Ribosomal protein S6 kinase 70kDa polypeptide 2, STK14A, Serine/threonine kinase 14 alpha, p70 ribosomal S6 kinase beta 1, p70S6K, p70S6Kb Ribosomal protein S6 kinase 70kDa polypeptide 1
Catalog No.:	AP01848PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	In studies to elucidate key regulatory pathways in signal transduction, several protein Serine/Threonine (Ser/Thr) kinases have been identified, including two distinct families of 40S ribosomal protein S6 Ser/Thr kinases present in somatic animal cells, designated p70 S6 kinase and p90 Rsk kinase. 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 pathway that regulate these kinases. In fact, evidence suggests that one such family of activating enzymes includes the members of the ERK MAP kinase family. The ERK MAP kinases are, in turn, regulated by phosphorylation at Threonine and Tyrosine residues by a protein kinase designated MEK.
Host:	Rabbit
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen. Buffer System: Phosphate buffered saline (PBS), pH~7.2 Preservatives: 0.09% sodium azide Stabilizers: 50% glycerol
Applications:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~59,70,85 kDa
Specificity:	This antibody detects endogenous levels of p70 S6K pThr229 protein.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of p70S6K pThr229 antibody (Cat.-No.: AP01848PU-N) in paraffin-embedded human breast tissue.



Western blot (WB) analysis of p70S6K pThr229 antibody (Cat.-No.: AP01848PU-N) in extracts from Jurkat cells.

