Phospho-p70 S6 Kinase (Thr421/Ser424) Antibody



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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 70, 85	Source/Isotype: Rabbit	UniProt ID: #P23443	Entrez-Gene Id: 6198
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-p70 S6 Kinase (Thr421/Ser424) Antibody detects endogenous levels of p70 S6 kinase only when phosphorylated at Thr421/Ser424. This antibody also detects p85 S6 kinase when phosphorylated at the corresponding sites (Thr444/Ser447).				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr421/Ser424 of human p70 S6 kinase. Antibodies are purified by protein A and peptide affinity chromatography.				
Background						
Background References		 Pullen, N. and Thomas, G. (1997) FEBS Lett 410, 78-82. Dufner, A. and Thomas, G. (1999) Exp Cell Res 253, 100-9. Weng, Q.P. et al. (1998) J Biol Chem 273, 16621-9. Pullen, N. et al. (1998) Science 279, 707-10. Alessi, D.R. et al. (1998) Curr Biol 8, 69-81. Polakiewicz, R.D. et al. (1998) J Biol Chem 273, 23534-41. Fingar, D.C. et al. (2002) Genes Dev 16, 1472-87. Saitoh, M. et al. (2002) J Biol Chem 277, 20104-12. 				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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