Store at +4C

300

Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP[®] Rabbit mAb (APC Conjugate)

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Cell Signaling

TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Reacti FC-FP H M R M		UniProt ID:Entrez-Gene Id:#P627536194
Product Usage Information	Application	Dilution
	Flow Cytometry (Fixed/Permeabilized)	1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium antibody. Protect from light. Do not freeze.	n azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the
Specificity / Sensitivity	Phospho-S6 Ribosomal Protein (Ser235/236) (D endogenous levels of ribosomal protein S6 only v	957.2.2E) XP [®] Rabbit mAb (APC Conjugate) detects when phosphorylated at Ser235 and Ser236.
Species predicted to react based on 100% sequence homology:	Chicken, Pig	
Source / Purification	Monoclonal antibody is produced by immunizing residues surrounding Ser235 and Ser236 of hum	animals with a synthetic phosphopeptide corresponding to nan ribosomal protein S6.
Product Description	direct flow cytometry analysis in human cells. The	igated to allophycocyanin (APC) and tested in-house for ne antibody is expected to exhibit the same species cross- somal Protein (Ser235/236) (D57.2.2E) XP [®] Rabbit mAb
Background	upregulating mRNA translation (1,2). Growth fact and the subsequent phosphorylation of S6 ribosc correlates with an increase in translation of mRN untranslated regions (2). These particular mRNA progression, as well as ribosomal proteins and el	tively promote sustained cell growth and proliferation is by tors and mitogens induce the activation of p70 S6 kinase omal protein. Phosphorylation of S6 ribosomal protein VA transcripts that contain an oligopyrimidine tract in their 5' A transcripts (5'TOP) encode proteins involved in cell cycle elongation factors necessary for translation (2,3). Important de several residues (Ser235, Ser236, Ser240, and Ser244) of S6 protein (4,5).
Background References	1. Dufner, A. and Thomas, G. (1999) <i>Exp Cell Re</i> 2. Peterson, R.T. and Schreiber, S.L. (1998) <i>Curr</i> 3. Jefferies, H.B. et al. (1997) <i>EMBO J</i> 16, 3693- 4. Ferrari, S. et al. (1991) <i>J Biol Chem</i> 266, 2277 5. Flotow, H. and Thomas, G. (1992) <i>J Biol Chem</i>	r Biol 8, R248-50. -704. 70-5.
Species Reactivity	Species reactivity is determined by testing in at lea	ast one approved application (e.g., western blot).
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: mor X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: p GP: Guinea Pig Rab: rabbit All: all species expec	
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell S XP is a registered trademark of Cell Signaling Tec All other trademarks are the property of their respo information.	

Limited Uses

Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb (APC Conjugate) (#14733) Datas...

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