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Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP<sup>®</sup> Rabbit mAb (PE Conjugate)

Applications: Reactive 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 azide and 2 antibodies. Protect from light. Do not freeze.	2 mg/ml BSA. Store at 4°C. Do not aliquot the
Specificity / Sensitivity	Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP endogenous levels of ribosomal protein S6 only when phosp	
Species predicted to react based on 100% sequence homology:	Chicken, Pig	
Source / Purification	Monoclonal antibody is produced by immunizing animals with residues surrounding Ser235 of human ribosomal protein S6.	
Product Description	This Cell Signaling Technology antibody is conjugated to phy flow cytometry analysis in human cells. The antibody is expect reactivity as the unconjugated Phospho-S6 Ribosomal Protei #4858.	cted to exhibit the same species cross-
Background	One way that growth factors and mitogens effectively promot upregulating mRNA translation (1,2). Growth factors and mito and the subsequent phosphorylation of S6 ribosomal protein. correlates with an increase in translation of mRNA transcripts untranslated regions (2). These particular mRNA transcripts ( progression, as well as ribosomal proteins and elongation fac S6 ribosomal protein phosphorylation sites include several re located within a small, carboxy-terminal region of S6 protein (	ogens induce the activation of p70 S6 kinase Phosphorylation of S6 ribosomal protein that contain an oligopyrimidine tract in their 5' (5'TOP) encode proteins involved in cell cycle ctors necessary for translation (2,3). Important sidues (Ser235, Ser236, Ser240, and Ser244)
Background References	<ol> <li>Dufner, A. and Thomas, G. (1999) <i>Exp Cell Res</i> 253, 100-5</li> <li>Peterson, R.T. and Schreiber, S.L. (1998) <i>Curr Biol</i> 8, R248</li> <li>Jefferies, H.B. et al. (1997) <i>EMBO J</i> 16, 3693-704.</li> <li>Ferrari, S. et al. (1991) <i>J Biol Chem</i> 266, 22770-5.</li> <li>Flotow, H. and Thomas, G. (1992) <i>J Biol Chem</i> 267, 3074-</li> </ol>	8-50.
Species Reactivity	Species reactivity is determined by testing in at least one appr	oved 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: monkey Vir: viru X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cer GP: Guinea Pig Rab: rabbit All: all species expected	-
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## **Limited Uses**

Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb (PE Conjugate) (#5316) Datashe...

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