4E-BP1 (53H11) Rabbit mAb (PE Conjugate)
 Image: Cell Signaling tells of the second of the second

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Applications: FC-FP	Reactivity: Sensitivity: Source/Isotype: H M R Mk Endogenous Rabbit IgG	UniProt ID:Entrez-Gene Id:#Q135411978	
Product Usage Information	Application	Dilution	
mormation	Flow Cytometry (Fixed/Permeabilized)	1:50	
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azid antibody. Protect from light. Do not freeze.	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.	
Specificity / Sensitiv	vity 4E-BP1 (53H11) Rabbit mAb (PE Conjugate) detects of	endogenous levels of total 4E-BP1 protein.	
Source / Purificatior	4E-BP1 (53H11) Rabbit mAb is produced by immunizi residues surrounding Ser112 of human 4E-BP1.	ing rabbits with a synthetic peptide corresponding to	
Product Description	This Cell Signaling Technology antibody is conjugated flow cytometry analysis in human cells. This antibody i reactivity as the unconjugated 4E-BP1 (53H11) Rabbit	is expected to exhibit the same species cross-	
Background	Translation repressor protein 4E-BP1 (also known as I binding to the translation initiation factor eIF4E. Hyper and results in activation of cap-dependent translation (FRAP/mTOR kinase regulate 4E-BP1 activity (2,3). Mu (4). While phosphorylation by FRAP/mTOR at Thr37 a eIF4E, it is thought to prime 4E-BP1 for subsequent pl	phosphorylation of 4E-BP1 disrupts this interaction (1). Both the PI3 kinase/Akt pathway and ultiple 4E-BP1 residues are phosphorylated <i>in vivo</i> and Thr46 does not prevent the binding of 4E-BP1 to	
Background Referer	 Pause, A. et al. (1994) Nature 371, 762-7. Brunn, G.J. et al. (1997) Science 277, 99-101. Gingras, A.C. et al. (1998) Genes Dev 12, 502-13. Fadden, P. et al. (1997) J Biol Chem 272, 10240-7. Gingras, A.C. et al. (1999) Genes Dev 13, 1422-37. 		
Species Reactivity	Species reactivity is determined by testing in at least or	ne approved application (e.g., western blot).	
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)		
Cross-Reactivity Ke	 H: human M: mouse R: rat Hm: hamster Mk: monkey V X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc GP: Guinea Pig Rab: rabbit All: all species expected 	5	
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4E-BP1 (53H11) Rabbit mAb (PE Conjugate) (#34470) Datasheet Without Images Cell Signaling Technology

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