Store at -20C

Phospho-S6 Ribosomal Protein (Ser235/236) (91B2) Rabbit mAb

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Applications: WB, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 32	Source/Isotype: Rabbit IgG	UniProt ID: #P62753	Entrez-Gene Id: 6194			
Product Usage Information	We	pplication estern Blotting munofluorescence (I	mmunocytochen	nistry)	1:10	<b>ution</b> 000 00 - 1:800			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.							
	For	For a carrier free (BSA and azide free) version of this product see product #38573.							
Specificity / Sensi		Phospho-S6 Ribosomal Protein (Ser235/236) (91B2) Rabbit mAb detects endogenous levels of ribosomal protein S6 only when phosphorylated at serines 235 and 236.							
Source / Purificati		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser235 and Ser236 of human ribosomal protein S6.							
Background	upre and corr untr prog S6	One way that growth factors and mitogens effectively promote sustained cell growth and proliferation is by upregulating mRNA translation (1,2). Growth factors and mitogens induce the activation of p70 S6 kinase and the subsequent phosphorylation of S6 ribosomal protein. Phosphorylation of S6 ribosomal protein correlates with an increase in translation of mRNA transcripts that contain an oligopyrimidine tract in their 5' untranslated regions (2). These particular mRNA transcripts (5'TOP) encode proteins involved in cell cycle progression, as well as ribosomal proteins and elongation factors necessary for translation (2,3). Important S6 ribosomal protein phosphorylation sites include several residues (Ser235, Ser236, Ser240, and Ser244) located within a small, carboxy-terminal region of S6 protein (4,5).							
Background Refer	2. P 3. J 4. F	Peterson, R.T. and Sc efferies, H.B. et al. (1 Ferrari, S. et al. (1991	hreiber, S.L. (19 1997) <i>EMBO J</i> 1 ) <i>J Biol Chem</i> 20		0.				
Species Reactivity	<b>/</b> Spec	cies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).			
Western Blot Buff		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	WB	WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)							
Cross-Reactivity F	<b>X</b> : X	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected							
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Phospho-S6 Ribosomal Protein (Ser235/236) (91B2) Rabbit mAb (#4857) Datasheet Without Images Cell...

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