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Phospho-SMAD2 (Ser465/Ser467) (E8F3R) Rabbit mAb



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Applications: WB, IP, IF-IC, FC-FP, ChIP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit IgG	UniProt ID: #Q15796	Entrez-Gene Id 4087	
Product Usage Information	For This	For optimal ChIP results, use 10 μ I of antibody and 10 μ g of chromatin (approximately 4 × 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.					
	Ар	Application			Dilution		
	We	Western Blotting			1:1000		
	Imi	Immunoprecipitation			1:100		
	Imi	Immunofluorescence (Immunocytochemistry)			1:400 - 1:1600		
	Flo	Flow Cytometry (Fixed/Permeabilized)			1:400 - 1:1600		
	Ch	romatin IP		1:50			
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than	
Specificity / Sensitiv		Phospho-Smad2 (Ser465/467) (E8F3R) Rabbit mAb recognizes endogenous levels of Smad2 protein when phosphorylated at Ser465 and Ser467.					
Source / Purification		noclonal antibody is dues surrounding S		nunizing animals with a s nan Smad2 protein.	synthetic peptide corre	esponding to	
Background	path SM/ 9; th SM/ on a and the	way that transmit T ADs have been define common-mediato AD6 and 7 (1-5). Ac conserved carboxy form a heteromeric	GF-β signals fror ned: the receptor or SMAD (co-SM4 tivated type I rece y-terminal SSXS of complex with SM e nucleus, SMAD	ansduction molecules a n the cell surface into th -regulated SMADs (R-SI AD), SMAD4; and the an eptors associate with sp motif. The phosphorylate IAD4, initiating transloca s recruit a variety of DN	e nucleus. Three disti MADs), which include Itagonistic or inhibitory ecific R-SMADs and p ed R-SMADs dissocia ation of the heteromer	nct classes of SMAD1, 2, 3, 5, and / SMADs (I-SMADs), whosphorylate them te from the receptor ic SMAD complex to	
Background Referer	2. A 3. D 4. M 5. W 6. W 7. A	eldin, C.H. et al. (19 ttisano, L. and Wrar erynck, R. et al. (19 lassagué, J. (1998) /hitman, M. (1998) (/rana, J.L. (2000) S ttisano, L. and Wrar loustakas, A. et al. (na, J.L. (1998) <i>Cu</i> 198) <i>Cell</i> 95, 737- Annu Rev Bioche Genes Dev 12, 24 ci STKE 2000, re na, J.L. (2002) Sc	ırr Opin Cell Biol 10, 188 40. em 67, 753-91. 145-62. 1. ience 296, 1646-7.	3-94.		
Species Reactivity	Spec	ies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern 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.					

Cross-Reactivity Key	 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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