SMAD2 (86F7) Rabbit mAb



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Applications: W, IP, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit IgG	UniProt ID: #Q15796	Entrez-Gene Id: 4087
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochen	nistry)		Dilution 1:1000 1:100 1:200
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		SMAD2 (86F7) Rabbit mAb detects endogenous levels of total SMAD2 protein. No cross reactivity was detected with SMAD3.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Trp85 of human SMAD2.				
Background		pathway that transmit SMADs have been def 9; the common-media SMADs), SMAD6 and 7 phosphorylate them of dissociate from the re the heteromeric SMAI	: TGF-β signals fror ined: the receptor- tor SMAD (co-SMA / (1-5). Activated ty on a conserved carl ceptor and form a D complex to the n	ansduction molecules are the cell surface into the regulated SMADs (R-SMAD), SMAD4; and the antage I receptors associate wooxy-terminal SSXS motif heteromeric complex witucleus. Once in the nucle e transcriptional activity	e nucleus. Three dis (Ds), which include gonistic or inhibito with specific R-SMA . The phosphorylat th SMAD4, initiating us, SMADs recruit	stinct classes of SMAD1, 2, 3, 5, and ry SMADs (I- Ds and ted R-SMADs g translocation of
Background References		 Heldin, C.H. et al. (1997) Nature 390, 465-71. Attisano, L. and Wrana, J.L. (1998) Curr Opin Cell Biol 10, 188-94. Derynck, R. et al. (1998) Cell 95, 737-40. Massagué, J. (1998) Annu Rev Biochem 67, 753-91. Whitman, M. (1998) Genes Dev 12, 2445-62. Wrana, J.L. (2000) Sci STKE 2000, re1. Attisano, L. and Wrana, J.L. (2002) Science 296, 1646-7. Moustakas, A. et al. (2001) J Cell Sci 114, 4359-69. 				
Species Reactiv	ity	Species reactivity is de	etermined by testir	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key		H: Human Mk: Monkey				

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