e at -20C	SMAD2 (86F7) Rabbit mAb			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#3122		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit IgG	UniProt ID: #Q15796	Entrez-Gene Id: 4087		
Product Usage	Ap	plication				Dilution		
Information	We	estern Blotting				1:1000		
	Im	munoprecipitation				1:100		
	Im	munofluorescence (I	mmunocytochen	nistry)		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	patl SM 9; ti SM on a and the	nway that transmit T(ADs have been defir ne common-mediato AD6 and 7 (1-5). Act a conserved carboxy form a heteromeric	GF-β signals from ned: the receptor r SMAD (co-SMA ivated type I reconstructed the terminal SSXS of complex with SM e nucleus, SMAD	ansduction molecules a n the cell surface into th -regulated SMADs (R-S AD), SMAD4; and the ar eptors associate with sp motif. The phosphorylat MAD4, initiating transloc is recruit a variety of DN	e nucleus. Three dist MADs), which include ntagonistic or inhibitor ecific R-SMADs and ed R-SMADs dissocia ation of the heterome	tinct classes of e SMAD1, 2, 3, 5, and ry SMADs (I-SMADs), phosphorylate them ate from the receptor ric SMAD complex to		
Background Refere	2. A 3. C 4. N 5. V 6. V 7. A	leldin, C.H. et al. (19 .ttisano, L. and Wran berynck, R. et al. (19 Massagué, J. (1998) / Vhitman, M. (1998) C Vrana, J.L. (2000) Sc .ttisano, L. and Wran foustakas, A. et al. (2	na, J.L. (1998) Cu 98) Cell 95, 737- Annu Rev Bioche Genes Dev 12, 24 ci STKE 2000, re na, J.L. (2002) Sc	ırr Opin Cell Biol 10, 18 40. em 67, 753-91. 145-62. 1. cience 296, 1646-7.	8-94.			
Species Reactivity	Spec	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., v	vestern 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		WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
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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Limited Uses								

SMAD2 (86F7) Rabbit mAb (#3122) Datasheet Without Images Cell Signaling Technology

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