Phospho-SMAD1 (Ser206) (D40B7) Rabbit mAb						Ell Signaling C H N O L O G Y [®] 877-616-CELL (2355)	
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For Research Use Only.		_					
Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit IgG	UniProt ID: #Q15797	Entrez-Gene Id: 4086	
Product Usage Information	Ар	Application Dilution					
	We	stern Blotting			1:1000		
	Imn	nunoprecipitation			1:50		
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		cerol and less than	
Specificity / Sensitivity		Phospho-SMAD1 (Ser206) (D40B7) Rabbit mAb recognizes endogenous levels of SMAD1 protein only when phosphorylated at Ser206.					
Species predicted t react based on 100 sequence homolog	%	se, Rat, Monkey					
Source / Purificatio		oclonal antibody is lues surrounding Se		nunizing animals with a s SMAD1 protein.	synthetic phosphope	eptide corresponding to	
Background	rang and Liga subs SMA the o gene of SI lead	e of critical process apoptosis (1,2). BM nd binding induces equently phosphory D5 and SMAD9 (SI coactivating SMAD4 es (5). MAP kinases MAD1, including Se	es including mor P receptors are in multimerization, a vlate SMAD1 at S MAD8) at their co and translocate and CDKs 8 and r206. Phosphory of SMAD1 (6). F	nstitute a large family o phogenesis, cell-fate de members of the TGF-β s autophosphorylation, ar Ser463 and Ser465 in th prresponding sites. These to the nucleus, where the d 9 are also reported to lation of SMAD1 at Ser2 Phosphorylation at this s gion (7).	termination, prolifera superfamily of Ser/TI d activation of these e carboxy-terminal r se phosphorylated S ney regulate the tran phosphorylate residu 206 recruits Smurf1 1	ation, differentiation, hr kinase receptors. e receptors (3-5). They notif SSXS, as well as MADs dimerize with escription of target ues in the linker region to the linker region and	
Background Refere	2. Ho 3. Kl 4. Kr 5. W 6. Sá	ogan, B.L. (1996) G bodless, P.A. et al. (emm, J.D. et al. (19 retzschmar, M. et al. hitman, M. (1998) G apkota, G. et al. (200 arcón, C. et al. (200	1996) Cell 85, 48 98) Annu Rev In . (1997) Genes D Genes Dev 12, 24 07) Mol Cell 25, 4	39-500. nmunol 16, 569-92. Dev 11, 984-95. 145-62. 441-54.			
Species Reactivity	Spec	ies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., v	western blot).	
Western Blot Buffe				membrane with diluted		5% w/v nonfat dry	

GP: Guinea Pig Rab: rabbit All: all species expected

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