e at -20C	SMAD3 Antibody		
Store (Orders:	877-616-CELL (2355) orders@cellsignal.com
က္		Support:	877-678-TECH (8324)
#9513		Web:	info@cellsignal.com cellsignal.com
74-		3 Trask Lane Danvers	Massachusetts 01923 USA

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

Applications: R WB, IP, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 52	Source: Rabbit	UniProt ID: #P84022	Entrez-Gene Id: 4088		
Product Usage Information	We	plication estern Blotting nunoprecipitation nunofluorescence (II	mmunocytochemis	try)		Dilution 1:1000 1:25 1:50		
Storage		plied in 10 mM sodiu C. Do not aliquot the), 150 mM NaCl, 10	0 $\mu g/ml$ BSA and 50%	glycerol. Store at –		
Specificity / Sensitivity		SMAD3 Antibody detects endogenous levels of total SMAD3 protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to a central region unique to human SMAD3. Antibodies were purified by protein A and peptide affinity chromatography.						
Background Background Reference	path SM/ 9; th SM/ on a and the i tran Folli (Ser can Ces 1. H 2. A 3. D 4. M 5. W 6. W 7. A 8. M 9. A 10. S	way that transmit TC ADs have been defin a common-mediator AD6 and 7 (1-5). Acti a conserved carboxy- form a heteromeric nucleus. Once in the scriptional activity (6 owing stimulation by r465 and 467 on Sma	GF-β signals from t red: the receptor-red SMAD (co-SMAD ivated type I receptor- terminal SSXS models and the second complex with SMAD roucleus, SMADs re- al, SER423 and 4. 4, translocate to the second second second second complex with SMADs re- al, J.L. (1998) Curr Second	he cell surface into gulated SMADs (R-), SMAD4; and the a ors associate with s tif. The phosphoryla D4, initiating translo ecruit a variety of D d Smad3 become p 25 on Smad3) by T(e nucleus and regul 5-71. <i>Opin Cell Biol</i> 10, 1 67, 753-91. 5-62. <i>Ince</i> 296, 1646-7. 4, 4359-69. 272, 27678-27685. <i>Ihem.</i> 272, 28107-2	8115.	nct classes of SMAD1, 2, 3, 5, and y SMADs (I-SMADs), phosphorylate them te from the receptor ric SMAD complex to at function to regulate carboxyl termini thorylated Smad 2/3		
Species Reactivity	Spec	ties reactivity is deter	rmined by testing ir	n at least one appro	ved application (e.g., w	estern blot).		
Western Blot Buffer		DRTANT: For western Tween® 20 at 4°C v			d primary antibody in 5	% w/v BSA, 1X TBS,		
Applications Key Cross-Reactivity Key		: Western Blotting IP	: Immunoprecipitat	ion IF-IC: Immunofl	uorescence (Immunocy	rtochemistry)		

1/1/24, 7:50 AM	SMAD3 Antibody (#9513) Datasheet Without Images Cell Signaling Technology			
	 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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