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## SMAD4 Polyclonal antibody Catalog Number:51069-2-AP (4 Publications)

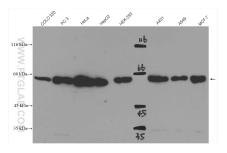


Basic Information	Catalog Number: 51069-2-AP	GenBank Accession Nu BC002379		Purification Metho Antigen affinity p		
	Size:	GeneID (NCBI):		Recommended Di	lutions:	
	150ul, Concentration: 350 ug/ml by	4089 UNIPROT ID: Q13485		WB 1:500-1:2400 IHC 1:50-1:500 IF/ICC 1:200-1:800		
	Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;					
	Source:	Full Name:				
	Rabbit	SMAD family member	4			
	Isotype: IgG	Calculated MW: 60 kDa				
		Observed MW: 63 kDa				
Applications	Tested Applications:		Positive Controls:			
	WB, IHC, IF/ICC, FC (Intra), ELISA Cited Applications: WB, IF	cells, HEK-293 cells, A43		•	52 cells, COLO 320 cells, PC-3 A431 cells, A549 cells, MCF-7	
	Species Specificity:		cells IHC : human tonsillitis tissue, human lung cancer			
	human, mouse		tissue, human heart tissue, human liv		-	
	Cited Species: human, rat, mouse		IF/ICC : HepG2	cells,		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0					
Background Information	Mammalian homologs of the Drosoph Smad7 and Smad8. Smad1 and Smac involved in TGF and activin-mediate activities through interactionwith va activin/ TGF signaling by interfering antibody is a rabbit polyclonal antibo	I5 are effectors of BMP2 a d growth modulation. Sr rious Smad family mem with TGF -mediated pho	and BMP4 function nad4 has been s bers . Smad6 an psphorylation of	on while Smad2 a hown to mediate d Smad7 regulate other Smad famil	nd Smad3 are all of the above the response to ly members. This	
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	Smad7 and Smad8. Smad1 and Smad2 involved in TGF and activin-mediate activities through interactionwith va activin/ TGF signaling by interfering antibody is a rabbit polyclonal antibody Author Pub	IS are effectors of BMP2 a d growth modulation. Sr rious Smad family mem with TGF -mediated pho ody raised against a pep	and BMP4 functi nad4 has been s bers . Smad6 an ssphorylation of tide mapping w	on while Smad2 a hown to mediate d Smad7 regulate other Smad famil	nd Smad3 are all of the above the response to ly members. This	
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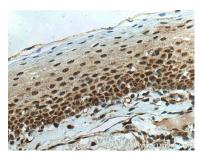
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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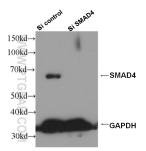
## Selected Validation Data



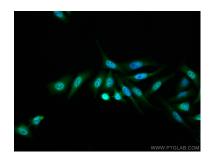
Various lysates were subjected to SDS PAGE followed by western blot with 51069-2-AP (SMAD4 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



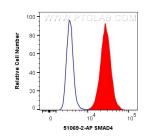
Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 51069-2-AP (SMAD4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of SMAD4 antibody (51069-1-AP, 1:1000) with sh-coontrol and sh-SMAD4 transfected HepG2 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SMAD4 antibody (51069-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



1X10^6 HepG2 cells were intracellularly stained with 0.5 ug Anti-Human SMAD4 (51069-2-AP) and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).