For Research Use Only

## SMAD4 Polyclonal antibody Catalog Number: 10231-1-AP Featured Product 94

Featured Product 94 Publications

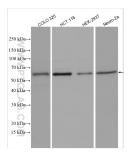


Basic Information	Catalog Number: 10231-1-AP	GenBank Accession Numb BC002379	per: Purification Method: Antigen affinity purification
	Size:	GeneID (NCBI):	Recommended Dilutions:
	150ul , Concentration: 500 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG0299	4089	WB 1:500-1:2000
		UNIPROT ID:	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
		Q13485	IHC 1:500-1:2000
		Full Name: SMAD family member 4	
		Calculated MW: 60 kDa	
		Applications	Tested Applications:
			B: COLO 320 cells, HEK-293 cells, NIH/3T3 cells,
Cited Applications: WB, IHC, IF, IP, CoIP, ChIP	mouse liver tissue, HCT 116 cells, HEK-293T cells, Neuro-2a cells		
Species Specificity: IP : HeLa cells,			
human, mouse, rat	IHC : human skin cance		
however, we are not a feasible to be written and the			isue, human cervical cancer tissue, mouse pancrea isue, rat small intestine tissue
TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0			
Background Information	Smad7 and Smad8. Smad1 and Smad involved in TGF and activin-mediate activities through interaction with va	I5 are effectors of BMP2 and d growth modulation. Sma arious Smad family membe with TGF -mediated phosp	I BMP4 function while Smad2 and Smad3 are d4 has been shown to mediate all of the above rrs . Smad6 and Smad7 regulate the response to horylation of other Smad family members. This
	Smad7 and Smad8. Smad1 and Smad involved in TGF and activin-mediate activities through interaction with va activin/ TGF signaling by interfering antibody is a rabbit polyclonal antib	I5 are effectors of BMP2 and d growth modulation. Sma arious Smad family membe with TGF -mediated phosp	d4 has been shown to mediate all of the above rrs . Smad6 and Smad7 regulate the response to horylation of other Smad family members. This
	Smad7 and Smad8. Smad1 and Smad2 involved in TGF and activin-mediate activities through interaction with va activin/ TGF signaling by interfering antibody is a rabbit polyclonal antib	d5 are effectors of BMP2 and ed growth modulation. Sma prious Smad family membe with TGF -mediated phosp ody raised against an interr	BMP4 function while Smad2 and Smad3 are d4 has been shown to mediate all of the above rs . Smad6 and Smad7 regulate the response to horylation of other Smad family members. This nal region of human SMAD4. Application
	Smad7 and Smad8. Smad1 and Smad2 involved in TGF and activin-mediate activities through interaction with va activin/ TGF signaling by interfering antibody is a rabbit polyclonal antib Author Pub Lu Liu 345	d5 are effectors of BMP2 and d growth modulation. Sma prious Smad family membe with TGF -mediated phosp ody raised against an inter med ID Journal	d BMP4 function while Smad2 and Smad3 are d4 has been shown to mediate all of the above rrs . Smad6 and Smad7 regulate the response to horylation of other Smad family members. This hal region of human SMAD4. Application ci WB,IP
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Notable Publications	Smad7 and Smad8. Smad1 and Smad2involved in TGF and activin-mediateactivities through interaction with vaactivin/ TGF signaling by interferingantibody is a rabbit polyclonal antibodyAuthorPubLu Liu345Bing Li345	d5 are effectors of BMP2 and ed growth modulation. Sma prious Smad family member with TGF -mediated phosp ody raised against an interr med ID Journal 76190 Int J Mol S 28447 Epigenom 06204 Cell Death	d BMP4 function while Smad2 and Smad3 are d4 has been shown to mediate all of the above rrs . Smad6 and Smad7 regulate the response to horylation of other Smad family members. This hal region of human SMAD4.
Background Information Notable Publications Storage	Smad7 and Smad8. Smad1 and Smad2 involved in TGF and activin-mediate activities through interaction with va activin/ TGF signaling by interfering antibody is a rabbit polyclonal antib Author Pub Lu Liu 345 Bing Li 345 Yanli Xu 302 Storage: Store at -20°C. Stable for one year aff Storage Buffer:	d5 are effectors of BMP2 and ed growth modulation. Sma prious Smad family member with TGF -mediated phosp ody raised against an interr med ID Journal 76190 Int J Mol S 28447 Epigenom 06204 Cell Death eter shipment.	d BMP4 function while Smad2 and Smad3 are d4 has been shown to mediate all of the above rrs . Smad6 and Smad7 regulate the response to horylation of other Smad family members. This hal region of human SMAD4.

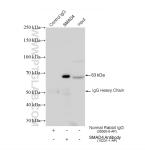
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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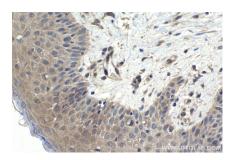
## Selected Validation Data



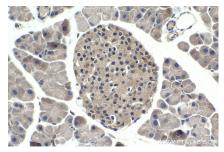
Various lysates were subjected to SDS PAGE followed by western blot with 10231-1-AP (SMAD4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



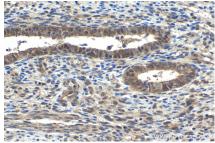
IP result of anti-SMAD4 (IP:10231-1-AP, 4ug; Detection:10231-1-AP 1:1500) with HeLa cells lysate 1320 ug.



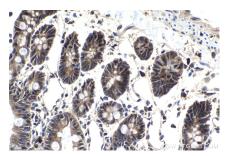
Immunohistochemical analysis of paraffinembedded human skin cancer tissue slide using 10231-1-AP (SMAD4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse pancreas tissue slide using 10231-1-AP (SMAD4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human cervical cancer tissue slide using 10231-1-AP (SMAD4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded rat small intestine tissue slide using 10231-1-AP (SMAD4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).