

For Research Use Only

SMAD3 Polyclonal antibody

Catalog Number: 33480-1-AP



Basic Information

Catalog Number: 33480-1-AP	GenBank Accession Number: BC007496	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 470 ug/ml by Nanodrop;	GeneID (NCBI): 4088	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: P84022	
Isotype: IgG	Full Name: SMAD family member 3	
Immunogen Catalog Number: AG8263	Calculated MW: 48 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : U-87 MG cells, IHC : mouse prostate tissue,
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

SMAD3, also named as hMAD 3 or Mad3, is a 425 amino acid protein, which contains one MH1 domain and one MH2 domain. SMAD3 localizes in the nucleus and cytoplasm. SMAD3 plays an essential role in development and maintenance of self-tolerance and is a critical mediator of the TGFB signaling pathway. SMAD3 is involved in TGFB dependent regulation of steroidogenesis and in T-cell response to TGFB.

Storage

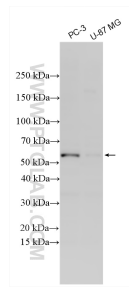
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33480-1-AP (SMAD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse prostate tissue slide using 33480-1-AP (SMAD3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).