

For Research Use Only

SMAD1 Monoclonal antibody

Catalog Number: 66559-1-Ig **4 Publications**



Basic Information

Catalog Number: 66559-1-Ig	GenBank Accession Number: BC001878	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4086	CloneNo.: 2D10B8
Source: Mouse	UNIPROT ID: Q15797	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgG1	Full Name: SMAD family member 1	
Immunogen Catalog Number: AG0701	Calculated MW: 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HT-1080 cells, HeLa cells, HEK-293 cells, HepG2 cells, HSC-T6 cells, RAW 264.7 cells, NIH/3T3 cells IHC : human gliomas tissue,
Cited Applications: WB, ColP	
Species Specificity: Human, Mouse, Rat	
Cited Species: human, mouse	
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

Transforming growth factor- β (TGF- β) superfamily is recognized as one of the largest families of secreted multifunctional peptides exerting different biological effects on a large variety of cell types, such as regulation of hormone secretion, stimulation of extracellular matrix formation, the inhibition of proliferation of many cell types, cell survival, bone formation, and chemotaxis for inflammatory cells. One of the most important proteins that modulate TGF- β ligand activity is the SMAD family proteins. SMAD1 is one of the receptor-activated Smads. It's also a signal transducers of BMP signaling and binds to several proteins involved in ubiquitin-proteasome system (UPS). Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase

Notable Publications

Author	Pubmed ID	Journal	Application
Jinliang Chen	29715457	Biochem Biophys Res Commun	WB
Lin Lu	35487890	Oncogenesis	WB
Hui Zhang	38917963	Bone	WB, ColP

Storage

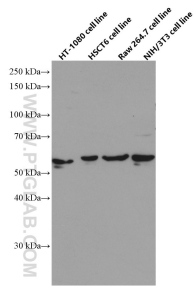
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

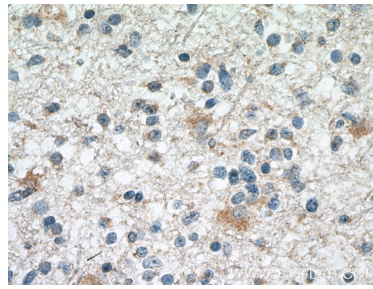
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66559-1-Ig (SMAD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66559-1-Ig (SMAD1 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).