

For Research Use Only

SMAD5 Monoclonal antibody

Catalog Number: 67052-1-Ig **6 Publications**



Basic Information

Catalog Number: 67052-1-Ig	GenBank Accession Number: BC009682	Purification Method: Protein A purification
Size: 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4090	CloneNo.: 1A6A4
Source: Mouse	UNIPROT ID: Q99717	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600
Isotype: IgG2a	Full Name: SMAD family member 5	
Immunogen Catalog Number: AG28699	Calculated MW: 465 aa, 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, ColP	WB : HEK-293 cells, MCF-7 cells, HT-29 cells, Caco-2 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
Species Specificity: Human, mouse, rat	IHC : human breast cancer tissue, human colon cancer tissue
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

SMAD5, also named as MADH5 and JV5-1, is a transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). It plays a critical role in the signaling pathway by which TGF-beta inhibits the proliferation of human hematopoietic progenitor cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Norika Chiba	35594155	FEBS Lett	WB
Song Yang	35634178	Appl Bionics Biomech	WB
Muhammad Subhan Amir	35411937	J Cell Physiol	WB

Storage

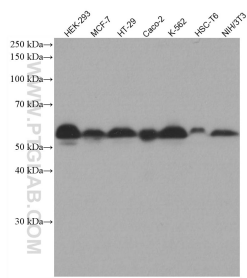
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

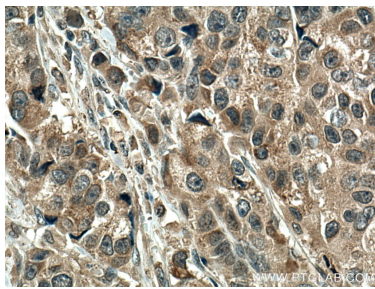
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67052-1-Ig (SMAD5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67052-1-Ig (SMAD5 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).