

BMP9 Polyclonal antibody

Catalog Number: 17769-1-AP

1 Publications

Basic Information

Catalog Number: 17769-1-AP	GenBank Accession Number: BC074921	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2658	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UK05	
Isotype: IgG	Full Name: growth differentiation factor 2	
Immunogen Catalog Number: AG12177	Calculated MW: 429 aa, 47 kDa	
	Observed MW: 30 kDa, 46 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : L02 cells, SMMC-7721 cells
Cited Applications: WB	IHC : human liver cancer tissue, human hepatocirrhosis tissue
Species Specificity: human	
Cited Species: human	
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

BMP9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons. Mutations in this gene are associated with hereditary hemorrhagic telangiectasia. Human BMP9 precursor protein contains 429 amino acids and has a calculated molecular mass of about 47 kD. Posttranslational processing results in a mature BMP9 protein of about 13 kD. Once secreted, BMP9 may exist as dimers of mature regions or as BMP9 proregion complexes in which the proregion of BMP9 remains tightly associated with the mature dimer.

Notable Publications

Author	Pubmed ID	Journal	Application
Xianzhe Huang	39050472	Heliyon	WB

Storage

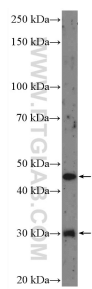
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

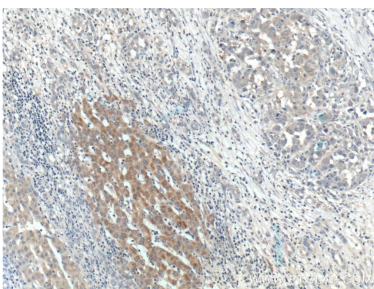
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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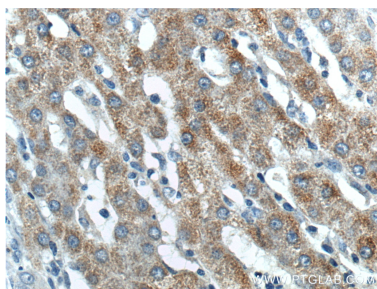
Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 17769-1-AP (BMP9 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17769-1-AP (BMP9 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17769-1-AP (BMP9 Antibody) at dilution of 1:200 (under 40x lens).