

For Research Use Only

BMP2 Monoclonal antibody, PBS Only



Catalog Number: 66383-1-PBS

Basic Information

Catalog Number: 66383-1-PBS	GenBank Accession Number: BC069214	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 650	CloneNo.: 1C5C2
Source: Mouse	UNIPROT ID: P12643	
Isotype: IgG2a	Full Name: bone morphogenetic protein 2	
Immunogen Catalog Number: AG13501	Calculated MW: 396 aa, 44 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
human, pig

Background Information

Bone morphogenetic protein-2 (BMP-2) is a member of the transforming growth factor-beta (TGFB) superfamily. BMP2 is synthesized as a 60 kDa precursor that is processed in the secretory pathway to a small 18 kDa monomer; 2 monomers then associate to form the active 30 kDa homodimer, which binds to its receptor. There is also a 40-45 kDa form of BMP2, as an amino-terminal propeptide. BMP2 can induce bone formation and regeneration during early embryonic development. It is involved in the hedgehog pathway, TGF beta signaling pathway, and cytokine-cytokine receptor interaction.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

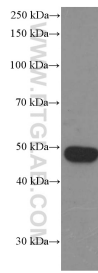
T: 4006900926

E: Proteintech-CN@ptglab.com

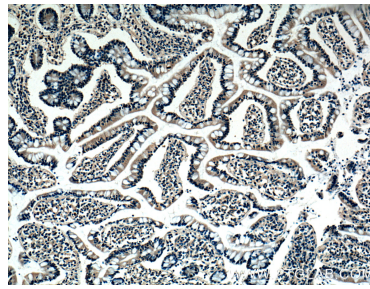
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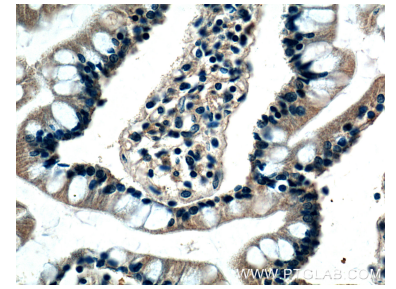
Selected Validation Data



pig bone marrow tissue were subjected to SDS PAGE followed by western blot with 66383-1-Ig (BMP2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66383-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 66383-1-Ig (BMP2 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 66383-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 66383-1-Ig (BMP2 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66383-1-PBS in a different storage buffer formulation.