

For Research Use Only

BMP2 Polyclonal antibody

Catalog Number: 18933-1-AP

Featured Product

54 Publications



Basic Information

Catalog Number: 18933-1-AP	GenBank Accession Number: BC069214	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 650	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: bone morphogenetic protein 2	
Isotype: IgG	Calculated MW: 396 aa, 44 kDa	
Immunogen Catalog Number: AG13501		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human	
Cited Species: human, rat, sheep, mouse, hamster	

Background Information

Bone morphogenetic protein-2 (BMP-2) is a member of the transforming growth factor-beta (TGFβ) 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Guangchun Dai	33102476	Front Cell Dev Biol	WB,IHC
Hong Liu	28944996	J Cell Mol Med	WB
Chuanhui Yin	32949110	Birth Defects Res	IHC

Storage

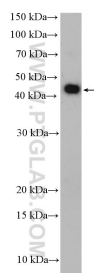
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 18933-1-AP (BMP2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.