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BMP2 Polyclonal Antibody

Cat #: G-AB-05265

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
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.

Gene ID:

Accession #:

Immunogen: KLH conjugated Synthetic peptide corresponding to Mouse BMP2

Conjugation: Unconjugated

Swissprot: P12643,P21274,P49001

Calculated Molecular Weight: 45 kDa

Observed Molecular Weight: 45 kDa

Concentration: 2.4 mg/mL

Buffer: PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IHC

Dilution: WB 1:500-1:2000, IHC 1:200-1:800

Storage: Store at -20°C. Avoid freeze / thaw cycles.