



BMP-3A Polyclonal Antibody

E20-75303

Catalog Number:E20-75303

Host Species:Polyclonal, Rabbit

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Immunogen Description:The antiserum was produced against synthesized peptide derived from the C-terminal region of human BMP3. AA range:421-470

Calculated MW:53406Da

Formulation:Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Gene Name:BMP3

Dilution:Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

Protein Name:Bone morphogenetic protein 3

Human Gene Id:651

Human Swiss Prot No:P12645

Mouse Gene Id:110075

Mouse Swiss Prot No:Q8BHE5

Rat Gene Id:25667

Rat Swiss Prot No:P49002

Specificity:BMP-3A Polyclonal Antibody detects endogenous levels of BMP-3A protein.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Name:BMP3; BMP3A; Bone morphogenetic protein 3; BMP-3; Bone morphogenetic protein 3A; BMP-3A; Osteogenin

Observed Band(KD):53

Background:bone morphogenetic protein 3(BMP3) Homo sapiens This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to

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recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein suppresses osteoblast differentiation, and negatively regulates bone density, by modulating TGF-beta receptor availability to other ligands. [provided by RefSeq, Jul 2016],

Function:function:Negatively regulates bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentiation and ossification.,induction:Highly expressed in fracture tissue, particularly in osteoblasts, osteoclasts and chondroblasts.,online information:Bone morphogenetic protein 3 entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed in adult and fetal cartilage.,

Subcellular Location:Secreted.

Expression:Expressed in adult and fetal cartilage.

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