

BMP-3A Polyclonal Antibody

Catalog # AP73486

Product Information

Application WB, IHC-P Primary Accession P12645

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 53372

Additional Information

Gene ID 651

Other Names BMP3; BMP3A; Bone morphogenetic protein 3; BMP-3; Bone morphogenetic

protein 3A; BMP-3A; Osteogenin

Dilution WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not

yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p:

1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name BMP3

Synonyms BMP3A

Function Growth factor of the TGF-beta superfamily that plays an essential role in

developmental process by inducing and patterning early skeletal formation and by negatively regulating bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentiation and ossification (PubMed:11138004, PubMed:15269709). Initiates signaling cascades by associating with type II receptor ACVR2B to activate SMAD2-dependent and SMAD-independent signaling cascades including TAK1 and JNK pathways

(PubMed:<u>31665064</u>).

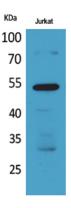
Cellular Location Secreted.

Tissue Location Expressed in adult and fetal cartilage.

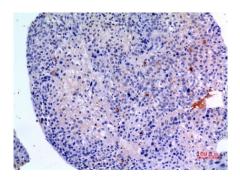
Background

Negatively regulates bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentitation and ossification.

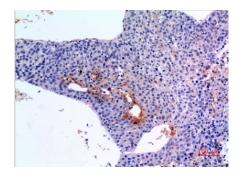
Images



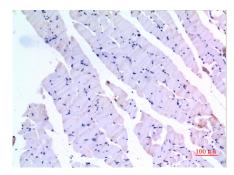
Western Blot analysis of Jurkat cells using BMP-3A Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.