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BMP3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17009b

Specification

BMP3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P12645
Other Accession	NP_001192.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**53372**
Antigen Region	**318-347**

BMP3 Antibody (C-term) - Additional Information

Gene ID 651

Other Names
Bone morphogenetic protein 3, BMP-3, Bone morphogenetic protein 3A, BMP-3A, Osteogenin, BMP3, BMP3A

Target/Specificity
This BMP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-347 amino acids from the C-terminal region of human BMP3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BMP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BMP3 Antibody (C-term) - 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:31665064).

Cellular Location
Secreted.

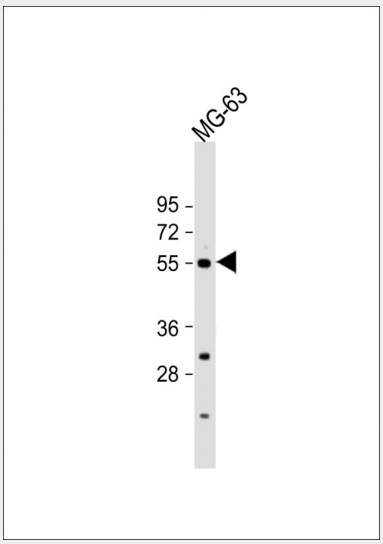
Tissue Location
Expressed in adult and fetal cartilage.

BMP3 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BMP3 Antibody (C-term) - Images



Anti-BMP3 Antibody (C-term) at 1:1000 dilution + MG-63 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

BMP3 Antibody (C-term) - Background

BMP3 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein, also known as osteogenin, induces bone formation.

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BMP3 Antibody (C-term) - References

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