

BMP3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2756a**Specification**

BMP3 Antibody (internal region) - Product Information

Application	E
Primary Accession	P12645
Other Accession	NP_001192.2 , 651
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	53372

BMP3 Antibody (internal region) - Additional Information**Gene ID** 651**Other Names**

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

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BMP3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

BMP3 Antibody (internal region) - 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 (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BMP3 Antibody (internal region) - Images**BMP3 Antibody (internal region) - References**

Expression and possible mechanisms of regulation of BMP3 in rat cranial sutures. Nacamuli RP, Fong KD, Lenton KA, Song HM, Fang TD, Salim A, Longaker MT. Plast Reconstr Surg. 2005 Oct;116(5):1353-62. PMID: 16217479