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BMP-3 Blocking Peptide
Catalog # PBV10499b

Specification

BMP-3 Blocking Peptide - Product Information

Primary Accession	P12645
Gene ID	651
Calculated MW	53372

BMP-3 Blocking Peptide - Additional Information

Gene ID 651

Application & Usage	**The peptide is used for blocking the antibody activity of BMP-3. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

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

Target/Specificity
BMP-3

Formulation
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
BMP-3 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

BMP-3 Blocking Peptide - 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.

BMP-3 Blocking Peptide - 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

BMP-3 Blocking Peptide - Images