

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 Cytometry](#)
- [Cell Culture](#)

BMP-3 Blocking Peptide - Images