

BMP3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17009b**Specification**

BMP3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P12645](#)**BMP3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 651**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BMP3 Antibody (C-term) 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](http://www.uniprot.org/citations/11138004), PubMed: [15269709](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/31665064)).

Cellular Location

Secreted.

Tissue Location

Expressed in adult and fetal cartilage.

BMP3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BMP3 Antibody (C-term) Blocking Peptide - Images**BMP3 Antibody (C-term) Blocking Peptide - Background**

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

BMP3 Antibody (C-term) Blocking Peptide - References

Stewart, A., et al. J. Cell. Physiol. 223(3):658-666(2010)Chen, X.R., et al. World J. Gastroenterol. 16(11):1409-1413(2010)Wu, D.D., et al. PLoS ONE 5 (6), E10959 (2010) :Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)