

Bmp8 Antibody (N-term) Blocking Peptide Synthetic peptide Catalog # BP1719a

Specification

Bmp8 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Other Accession

P34820 NP 001711

Bmp8 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 656

Other Names Bone morphogenetic protein 8B, BMP-8, BMP-8B, Osteogenic protein 2, OP-2, BMP8B, BMP8

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP1719a was selected from the N-term region of human Bmp8 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

Bmp8 Antibody (N-term) Blocking Peptide - Protein Information

Name BMP8B

Synonyms BMP8

Function

Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis (By similarity).

Cellular Location Secreted.



Bmp8 Antibody (N-term) Blocking Peptide - Protocols

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

Blocking Peptides

Bmp8 Antibody (N-term) Blocking Peptide - Images

Bmp8 Antibody (N-term) Blocking Peptide - Background

The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Bmp8 induces cartilage and bone formation, and may be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Bmp8 plays a role in calcium regulation and bone homeostasis

Bmp8 Antibody (N-term) Blocking Peptide - References

Ozkaynak, E., et al., J. Biol. Chem. 267(35):25220-25227 (1992).