

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

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

Primary Accession [P34820](#)  
Other Accession [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](/product/products/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).