

**BMP9 (GDF2) Antibody (N-term) Blocking peptide**

Synthetic peptide  
Catalog # BP2064a

**Specification**

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**BMP9 (GDF2) Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [Q9UK05](#)

**BMP9 (GDF2) Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 2658

**Other Names**

Growth/differentiation factor 2, GDF-2, Bone morphogenetic protein 9, BMP-9, GDF2, BMP9

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [BP2064a](#) was selected from the N-term region of human GDF2 . 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.

**BMP9 (GDF2) Antibody (N-term) Blocking peptide - Protein Information**

Name GDF2

Synonyms BMP9

**Function**

Potent circulating inhibitor of angiogenesis. Signals through the type I activin receptor ACVRL1 but not other Alks. Signaling through SMAD1 in endothelial cells requires TGF-beta coreceptor endoglin/ENG.

**Cellular Location**

Secreted

**Tissue Location**

Detected in blood plasma (at protein level).

## **BMP9 (GDF2) Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **BMP9 (GDF2) Antibody (N-term) Blocking peptide - Images**

## **BMP9 (GDF2) Antibody (N-term) Blocking peptide - Background**

GDF2 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons.

## **BMP9 (GDF2) Antibody (N-term) Blocking peptide - References**

Majumdar, M.K., et al., J. Cell. Physiol. 189(3):275-284 (2001).Lopez-Coviella, I., et al., Science 289(5477):313-316 (2000).Miller, A.F., et al., J. Biol. Chem. 275(24):17937-17945 (2000).