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

Synthetic peptide
Catalog # BP2064b

Specification

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 AP2064b 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).

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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).