

GDF10 Antibody (Center) Blocking Peptide

Synthetic peptide

Catalog # BP2060c

Specification

GDF10 Antibody (Center) Blocking Peptide - Product Information

Primary Accession

[P55107](#)

Other Accession

[NP_004953](#)**GDF10 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 2662

Other Names

Bone morphogenetic protein 3B, BMP-3B, Bone-inducing protein, BIP, Growth/differentiation factor 10, GDF-10, GDF10, BMP3B

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2060c](/products/AP2060c) was selected from the Center region of human GDF10. 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.

GDF10 Antibody (Center) Blocking Peptide - Protein InformationName GDF10 ([HGNC:4215](#))

Synonyms BMP3B

Function

Growth factor involved in osteogenesis and adipogenesis. Plays an inhibitory role in the process of osteoblast differentiation via SMAD2/3 pathway. Plays an inhibitory role in the process of adipogenesis.

Cellular Location

Secreted {ECO:0000250|UniProtKB:P97737}.

Tissue Location

Expressed in femur, brain, lung, skeletal muscle, pancreas and testis.

GDF10 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GDF10 Antibody (Center) Blocking Peptide - Images

GDF10 Antibody (Center) Blocking Peptide - Background

GDF10 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 mice suggest that the protein encoded by this gene plays a role in skeletal morphogenesis.

GDF10 Antibody (Center) Blocking Peptide - References

Ducy, P., et al., Kidney Int. 57(6):2207-2214 (2000). Hino, J., et al., Biochem. Biophys. Res. Commun. 223(2):304-310 (1996). Cunningham, N.S., et al., Growth Factors 12(2):99-109 (1995).