10320 Camino Santa Fe, Suite G
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GDF3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2066d

Specification

GDF3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9NR23

GDF3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9573

Other Names
Growth/differentiation factor 3, GDF-3, GDF3

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.

GDF3 Antibody (N-term) Blocking Peptide - Protein Information

Name GDF3

Function
Growth factor involved in early embryonic development and adipose-tissue homeostasis. During embryogenesis controls formation of anterior visceral endoderm and mesoderm and the establishment of anterior-posterior identity through a receptor complex comprising the receptor ACVR1B and the coreceptor CRIPTO (By similarity). Regulates adipose-tissue homeostasis and energy balance under nutrient overload in part by signaling through the receptor complex based on ACVR1C and CRIPTO/Cripto (PubMed:21805089).

Cellular Location
Secreted. Cytoplasm. Note=Mainly accumulated in the cytoplasm

GDF3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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GDF3 Antibody (N-term) Blocking Peptide - Images

GDF3 Antibody (N-term) Blocking Peptide - Background

GDF3 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.

GDF3 Antibody (N-term) Blocking Peptide - References

Ye, M., et al. Hum. Mol. Genet. 19(2):287-298(2010)Gopalan, A., et al. Mod. Pathol. 22(8):1066-1074(2009)Levine, A.J., et al. Dev. Biol. 325(1):43-48(2009)