

GDF3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2066a**Specification**

GDF3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NR23](#)**GDF3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9573**Other Names**

Growth/differentiation factor 3, GDF-3, GDF3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2066a](/product/products/AP2066a) was selected from the N-term region of human GDF3 . 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.

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:<http://www.uniprot.org/citations/21805089> target="_blank">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](#)

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. The function of this protein is unknown, but expression studies suggest it may be involved in regulation of the adult lymphatic and erythroid systems and embryonic development.

GDF3 Antibody (N-term) Blocking Peptide - References

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003).Ducy, P., et al., Kidney Int. 57(6):2207-2214 (2000).Caricasole, A.A., et al., Oncogene 16(1):95-103 (1998).