10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Myostatin (GDF8) Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP2068a

Specification

Myostatin (GDF8) Antibody (N-term) Blocking peptide - Product Information

Primary Accession O14793

Myostatin (GDF8) Antibody (N-term) Blocking peptide - Additional Information

Gene ID 2660

Other Names
Growth/differentiation factor 8, GDF-8, Myostatin, MSTN, GDF8

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2068a was selected from the N-term region of human GDF8 . 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.

Myostatin (GDF8) Antibody (N-term) Blocking peptide - Protein Information

Name MSTN

Synonyms GDF8

Function
Acts specifically as a negative regulator of skeletal muscle growth.

Cellular Location
Secreted {ECO:0000250|UniProtKB:O08689}.

Myostatin (GDF8) Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

Myostatin (GDF8) Antibody (N-term) Blocking peptide - Images

Myostatin (GDF8) Antibody (N-term) Blocking peptide - Background

GDF8 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. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle growth.

Myostatin (GDF8) Antibody (N-term) Blocking peptide - References

Hill, J.J., et al., J. Biol. Chem. 277(43):40735-40741 (2002).Hamrick, M.W., et al., Calcif. Tissue Int. 71(1):63-68 (2002).Welle, S., et al., Exp. Gerontol. 37(6):833-839 (2002).Ducy, P., et al., Kidney Int. 57(6):2207-2214 (2000).Ferrell, R.E., et al., Genomics 62(2):203-207 (1999).