

Myostatin (GDF8) Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2068A

Product Information

Application IHC-P, WB, E **Primary Accession** 014793

Other Accession 018831, 095186, 018836

Reactivity Human, Mouse **Predicted** Monkey, Pig, Bovine

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 42750
Antigen Region 9-38

Additional Information

Gene ID 2660

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

Target/Specificity This Myostatin (GDF8) antibody is generated from rabbits immunized with a

KLH conjugated synthetic peptide between 9-38 amino acids from the

N-terminal region of human Myostatin (GDF8).

Dilution IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Myostatin (GDF8) Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name MSTN

Synonyms GDF8

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

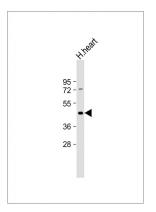
Background

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.

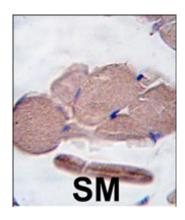
References

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).

Images



Anti-Myostatin (GDF8) Antibody (N-term) at 1:2000 dilution + Human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with GDF8 antibody (N-term)(Cat.#AP2068a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.