

Rabbit Myostatin (GDF8) Polyclonal Antibody | anti-MSTN antibody

Myostatin (GDF8) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287995	Rabbit	Human, Mouse Predicted Reactivity: Bovine, Horse, Monkey, Pig	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Myostatin (GDF8); Polyclonal Antibody; Myostatin (GDF8) Antibody (N-term); Growth/differentiation factor 8; GDF-8; Myostatin; MSTN; GDF8; anti-MSTN antibody

PRODUCT SPECIFICATIONS

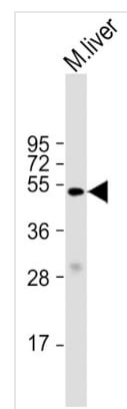
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Bovine, Horse, Monkey, Pig
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This Myostatin (GDF8) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-38 amino acids from the N-terminal region of human Myostatin (GDF8).
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	9-38
Sequence Length	375
Applicable Applications for anti-MSTN antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



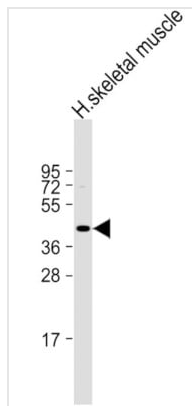
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with GDF8 antibody (N-term), 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.



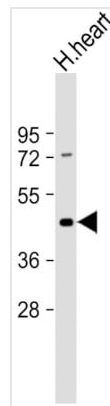
WB (Western Blot)

Anti-GDF8 Antibody at 1:2000 dilution + mouse liver lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



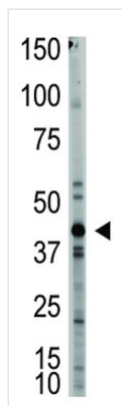
WB (Western Blot)

Anti-Myostatin (GDF8) Antibody (N-term) at 1:2000 dilution + Human heart lysate
Lysates/proteins at 20 ug 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.



WB (Western Blot)

All lanes : Anti-Myostatin (GDF8) Antibody (N-term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 ug 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.



WB (Western Blot)

Western blot analysis of anti-GDF8 N-term Pab in mouse liver tissue lysate. GDF8 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MSTN antibody	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.
Product Categories/Family for anti-MSTN antibody	Cancer ; Signal Transduction
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885259
NCBI GeneID	2660
NCBI Accession #	NP_005250.1
NCBI GenBank Nucleotide #	NM_005259.2
UniProt Accession #	O14793 ; Q6B0H2 ; A1C2J7 ; A1C2K0

NCBI Official Full Name	growth/differentiation factor 8
NCBI Official Synonym Full Names	myostatin
NCBI Official Symbol	MSTN
NCBI Official Synonym Symbols	GDF8; MSLHP
NCBI Protein Information	growth/differentiation factor 8
UniProt Protein Name	Growth/differentiation factor 8
UniProt Gene Name	MSTN
UniProt Synonym Gene Names	GDF8; GDF-8
UniProt Entry Name	GDF8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/myostatin-gdf8-antibody-western-blot-immunohistochemistry-elisa/287995>