

Myostatin Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1255a

Specification

Myostatin Antibody - Product Information

Application	WB, IHC
Primary Accession	O14793
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	42.7kDa KDa

Description

The protein 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.

Immunogen

Purified recombinant fragment of Myostatin expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Myostatin Antibody - Additional Information

Gene ID 2660

Other Names

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

Dilution

WB~~1/500 - 1/2000

IHC~~1:200~~1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Myostatin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Myostatin Antibody - 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 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Myostatin Antibody - Images

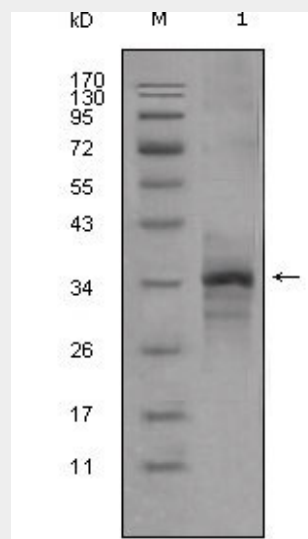


Figure 1: Western blot analysis using Myostatin mouse mAb against truncated Myostatin-His recombinant protein (1).

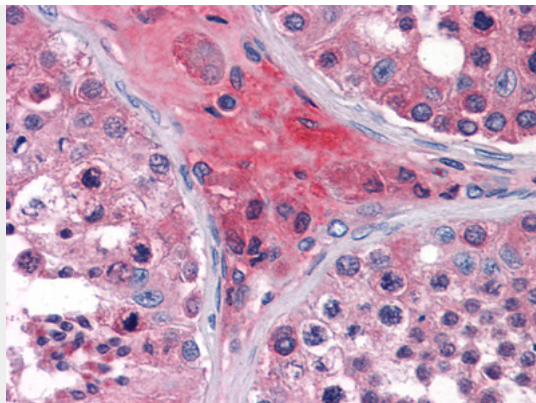


Figure 2: Immunohistochemical analysis of paraffin-embedded human Testis tissues using ApoO mouse mAb

Myostatin Antibody - References

1. Clin Chim Acta. 2008 May;391(1-2):115-7.
2. Folia Morphol (Warsz). 2008 Feb;67(1):6-12.