10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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

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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 Cytomety
- Cell Culture

Myostatin Antibody - Images

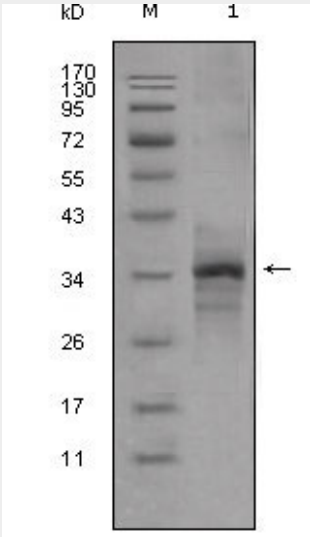


Figure 1: Western blot analysis using Myostatin mouse mAb against truncated Myostatin-His recombinant protein (1).

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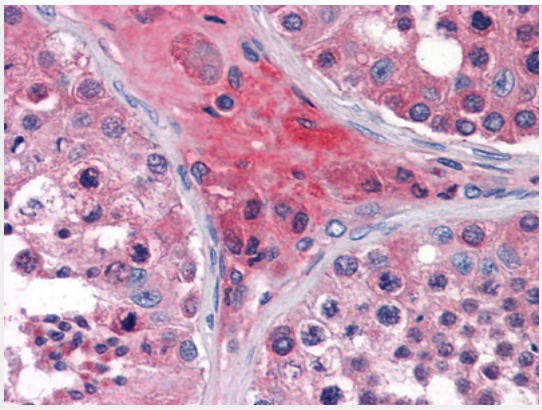


Figure 2: Immunohistochemical analysis of paraffin-embedded human Testis tissues using ApoO mouse mAb

Myostatin Antibody - References

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