

**Myostatin Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1255a**

**Specification**

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**Myostatin Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O14793</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>42.7kDa KDa</b>

**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. <br />

**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**

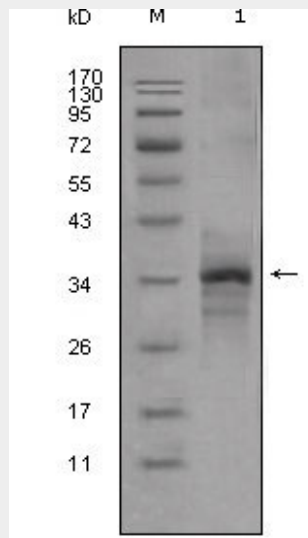


Figure 1: Western blot analysis using Myostatin mouse mAb against truncated Myostatin-His recombinant protein (1).

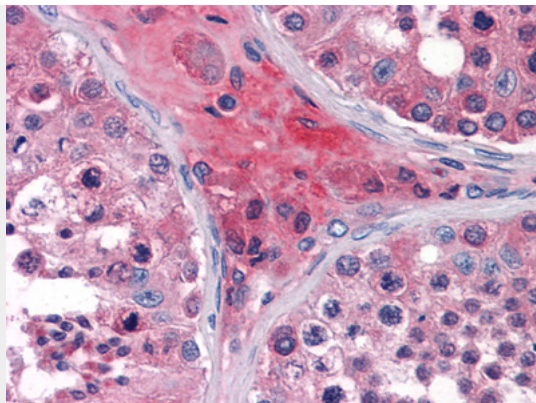


Figure 2: Immunohistochemical analysis of paraffin-embedded human Testis tissues using ApoO mouse mAb

#### **Myostatin Antibody - References**

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