

# Myostatin Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1255a

#### **Product Information**

**Application** WB, E **Primary Accession** 014793 Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 6H12 Isotype IgG1 42750 **Calculated MW** 

**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.

### **Additional Information**

**Gene ID** 2660

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

**Dilution** WB~~1/500 - 1/2000 E~~N/A

**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.

#### **Protein Information**

Name MSTN

Synonyms GDF8

Function

Acts specifically as a negative regulator of skeletal muscle growth.

**Cellular Location** 

Secreted {ECO:0000250 | UniProtKB:O08689}.

## References

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

## **Images**

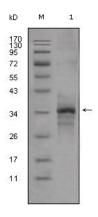


Figure 1: Western blot analysis using Myostatin mouse mAb against truncated Myostatin-His recombinant protein (1).

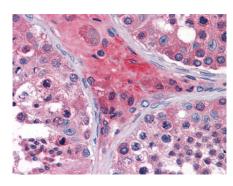


Figure 2: Immunohistochemical analysis of paraffin-embedded human Testis tissues using ApoO mouse mAb

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