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Myostatin Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1255a

Product Information

Application	WB, E
Primary Accession	O14793
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6H12
Isotype	IgG1
Calculated MW	42750
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

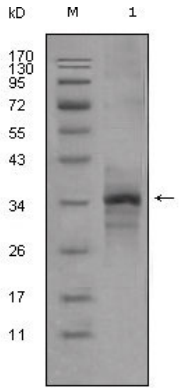

Figure 1: Western blot analysis using Myostatin mouse mAb against truncated Myostatin-His recombinant protein (1).

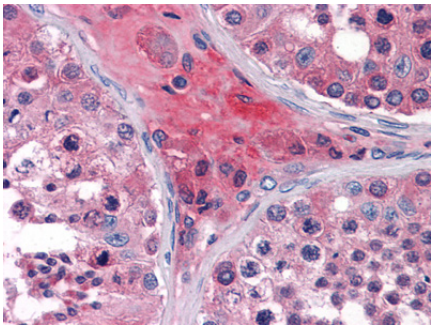

Figure 2: Immunohistochemical analysis of paraffin-embedded human Testis tissues using ApoO mouse mAb