Product datasheet for AM20481SU-N

Myostatin Propeptide (MSTN) (24-266) Mouse Monoclonal Antibody [Clone ID: 6H12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6H12
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Immunohistochemistry on Paraffin Sections:** 1/200. **Western Blot:** 1/500-1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Myostatin expressed in E. coli. **Epitope:** aa24-266
Specificity:	Recognizes Myostatin (MSTN/GDF8).
Formulation:	State: Ascites State: Ascites fluid containing 0.03% Sodium Azide as preservative
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	myostatin
Database Link:	Entrez Gene 2660 Human O14793

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Background:	Myostatin (GDF8) is expressed uniquely in human skeletal muscle as a 12 kDa mature glycoprotein consisting of 113 amino acid residues and secreted into plasma. Myostatin is a member of the transforming growth factor ß superfamily of secreted growth and differentiation factors that is essential for proper regulation of skeletal muscle mass. Studies have shown that myostatin could play an important role in cardiac development and physiology.
Synonyms:	MSTN, GDF8, GDF-8, Growth differentiation factor 8
Protein Families:	Druggable Genome, Secreted Protein

Product images:
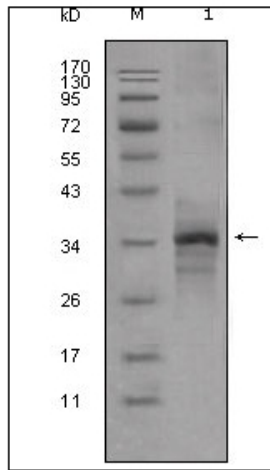
Western blot analysis using anti-Myostatin monoclonal antibody against truncated Myostatin -His recombinant protein (Lane 1).
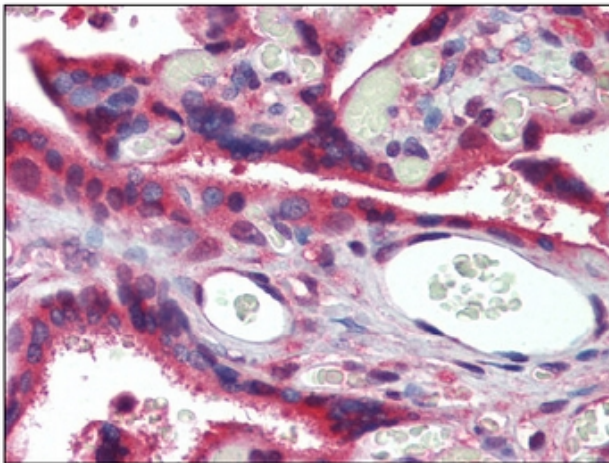
Placenta, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)