

Datasheet for ABIN6923126
anti-MSTN antibody (AA 17-46)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	200 µL
Target:	MSTN
Binding Specificity:	AA 17-46
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSTN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of MSTN.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to amino acids 17-46 at N-terminus of human MSTN.
Cross-Reactivity:	Human

Target Details

Target:	MSTN
Alternative Name:	Myostatin (MSTN Products)
Gene ID:	2660

Application Details

Application Notes: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50)
Western Blot (1:2000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.09 % sodium azide)

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

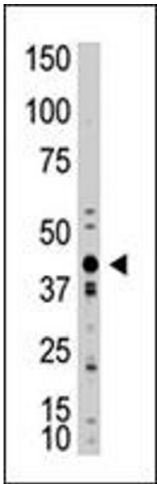
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Welle, Bhatt, Shah, Thornton: "Insulin-like growth factor-1 and myostatin mRNA expression in muscle: comparison between 62-77 and 21-31 yr old men." in: **Experimental gerontology**, Vol. 37, Issue 6, pp. 833-9, (2002) ([PubMed](#)).

Hill, Davies, Pearson, Wang, Hewick, Wolfman, Qiu: "The myostatin propeptide and the follistatin-related gene are inhibitory binding proteins of myostatin in normal serum." in: **The Journal of biological chemistry**, Vol. 277, Issue 43, pp. 40735-41, (2002) ([PubMed](#)).

Hamrick, McPherron, Lovejoy: "Bone mineral content and density in the humerus of adult myostatin-deficient mice." in: **Calcified tissue international**, Vol. 71, Issue 1, pp. 63-8, (2002) ([PubMed](#)).



Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with MSTN polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of MSTN polyclonal antibody in mouse liver tissue lysate. MSTN (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.