

Summary

Production Name	Myomesin-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
lsotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MYOM1
Alternative Names	MYOM1; Myomesin-1; 190 kDa connectin-associated protein; 190 kDa titin-associated
	protein; Myomesin family member 1
Gene ID	8736.0
SwissProt ID	P52179. The antiserum was produced against synthesized peptide derived from human
	MYOM1. AA range:824-873

Application

Dilution Ratio	IHC 1:100-1:300	ELISA: 1:40000

Molecular Weight

Background

Product Name: Myomesin-1 Rabbit Polyclonal Antibody **EnkiLife** Catalog #: APRab14339

The giant protein titin, together with its associated proteins, interconnects the major structure of sarcomeres, the M bands and Z discs. The C-terminal end of the titin string extends into the M line, where it binds tightly to M-band constituents of apparent molecular masses of 190 kD (myomesin 1) and 165 kD (myomesin 2). This protein, myomesin 1, like myomesin 2, titin, and other myofibrillar proteins contains structural modules with strong homology to either fibronectin type III (motif I) or immunoglobulin C2 (motif II) domains. Myomesin 1 and myomesin 2 each have a unique N-terminal region followed by 12 modules of motif I or motif II, in the arrangement II-II-I-I-I-II-II-II-II-II. The two proteins share 50% sequence identity in this repeat-containing region. The head structure formed by these 2 proteins on one end of the titin string extends into the center of the M band. The integrating structurefunction:Major component of the vertebrate myofibrillar M band. Binds myosin, titin, and light meromyosin. This binding is dose dependent.,similarity:Contains 5 fibronectin type-III domains.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Interacts with TTN/titin (By similarity). Interacts with PNKD.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using MYOM1 Antibody. The picture on the right is blocked with the synthesized peptide.

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