



Myomesin-1 Polyclonal Antibody

Catalog No	YP-Ab-03162
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	MYOM1
Protein Name	Myomesin-1
Immunogen	The antiserum was produced against synthesized peptide derived from human MYOM1. AA range:824-873
Specificity	Myomesin-1 Polyclonal Antibody detects endogenous levels of Myomesin-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MYOM1; Myomesin-1; 190 kDa connectin-associated protein; 190 kDa titin-associated protein; Myomesin family member 1
Observed Band	
Cell Pathway	Cytoplasm, myofibril, sarcomere, M line .
Tissue Specificity	Heart muscle,Skeletal muscle,
Function	function: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.,
Background	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-I-I-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 structure

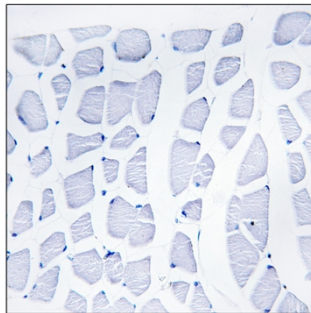
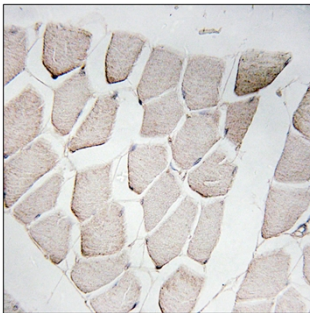
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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