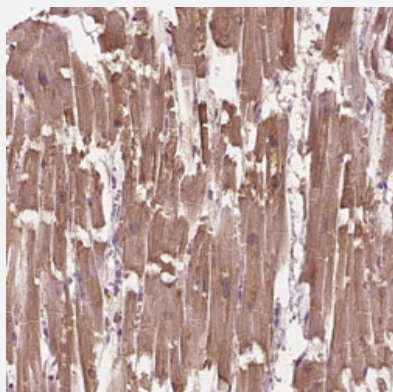


MYOM1 polyclonal antibody

Catalog # PAB30479

Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cardiac muscle with MYOM1 polyclonal antibody (Cat # PAB30479) shows moderate cytoplasmic positivity in myocytes at 1:2500-1:5000 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MYOM1.
Immunogen	Recombinant protein corresponding to human MYOM1.
Sequence	GITDTEEERIKEAAAYIAQRNLLASEEGITTPKQSTASKQTTASKQSTASKQSTASKQSTASRQSTA SRQSVVSKQATSALQQEETSEKKSrkVVIREKAERLSLRKTLREETETyhakLNEDHLLHAPEFIKp RSHTVWEKENV
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — MYOM1

Entrez GeneID	8736
Protein Accession#	P52179
Gene Name	MYOM1
Gene Alias	MGC134946, MGC134947, SKELEMIN
Gene Description	myomesin 1, 185kDa
Omim ID	603508
Gene Ontology	Hyperlink

Gene Summary	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-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 of the sarcomere arises from muscle-specific members of the superfamily of immunoglobulin-like proteins. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]
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Other Designations	190 kDa connectin-associated protein 190 kDa titin-associated protein EH-myomesin myomesin (M-protein) 1 (190kD) myomesin 1 myomesin 1 (skelemin) (185kD) myomesin 1 (skelemin) 185kDa
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Disease

- [Tobacco Use Disorder](#)