MYOT monoclonal antibody, clone RSO34

Catalog # MAB9563 Size

Applications



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

Immunohistochemical staining for paraffin-embedded human skeletal muscle section using MYOT monoclonal antibody, clone RSO34 (Cat # MAB9563). Note intense staining of muscle fibers.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MYOT.
Immunogen	Recombinant protein corresponding to 266 amino acids at C-terminus of human MYOT.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Frozen sections) (1:20) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:40-1:80) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from tissue culture supernatant (0.09% sodium azide)
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with steril distilled water, Store at 4°C for at least two months. For long term storage store at -20°C or below. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

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- Immunohistochemistry (Frozen sections)

Gene Info — MYOT

Entrez GeneID	9499
Gene Name	MYOT
Gene Alias	LGMD1, LGMD1A, TTID
Gene Description	myotilin
Omim ID	159000 182920 604103 609200
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cystoskeletal protein which plays a significant role in the stability of thin filam ents during muscle contraction. This protein binds F-actin, crosslinks actin filaments, and prevents latrunculin A-induced filament disassembly. Mutations in this gene have been associated with lim b-girdle muscular dystrophy and myofibrillar myopathies. Several alternatively spliced transcript va riants of this gene have been described, but the full-length nature of some of these variants has no t been determined
Other Designations	titin immunoglobulin domain protein (myotilin)

Publication Reference

- C-terminal extension of HSPB6 in a family with myopathy and cataract.

  Jaakko Sarparanta, P H Jonson, Anna Vihola, Helena Luque, Rocio Nur Villar-Quiles, T Stojkovic, Veronica Sian, Charlotte Walder, Tiina Suominen, Peter Hackman, Norma B Romero, Bruno Eymard, Bjarne Udd

  Hum Mol Genet 2026 2; 35(1):0.

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  Human molecular genetics 2025 Nov; Epub:0.

  Application: IF, Human, Muscle

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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