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MYOT Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17231c

Specification

MYOT Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9UBF9
Other Accession	NP_001129412.1, NP_006781.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55395**
Antigen Region	**127-155**

MYOT Antibody (Center) - Additional Information

Gene ID 9499

Other Names
Myotilin, 57 kDa cytoskeletal protein, Myofibrillar titin-like Ig domains protein, Titin immunoglobulin domain protein, MYOT, TTID

Target/Specificity
This MYOT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-155 amino acids from the Central region of human MYOT.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MYOT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MYOT Antibody (Center) - Protein Information

Name MYOT

Synonyms TTID

Function Component of a complex of multiple actin cross-linking proteins. Involved in the control of myofibril assembly and stability at the Z lines in muscle cells.

Cellular Location
Cell membrane, sarcolemma. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line. Note=Sarcomeric, also localized to the sarcolemma (PubMed:10369880). Colocalizes with MYOZ1 at the Z-lines in skeletal muscle (PubMed:16076904).

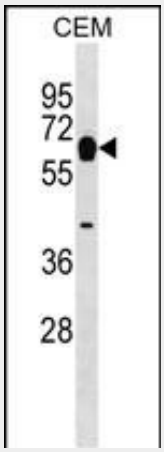
Tissue Location
Expressed in skeletal muscle (at protein level). Expressed in skeletal muscle, heart, bone marrow and thyroid gland

MYOT Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MYOT Antibody (Center) - Images



MYOT Antibody (Center) (Cat. #AP17231c) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the MYOT antibody detected the MYOT protein (arrow).

MYOT Antibody (Center) - Background

This gene encodes a cystoskeletal protein which plays a significant role in the stability of thin filaments 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 limb-girdle muscular dystrophy and myofibrillar myopathies. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has

not been determined.

MYOT Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Shalaby, S., et al. J. Neuropathol. Exp. Neurol. 68(6):701-707(2009)
Heikkinen, O., et al. J. Biomol. NMR 44(2):107-112(2009)
Claeys, K.G., et al. Acta Neuropathol. 117(3):293-307(2009)