

For Research Use Only

MYOT Polyclonal antibody

Catalog Number: 10731-1-AP **6 Publications**



Basic Information

Catalog Number: 10731-1-AP	GenBank Accession Number: BC005376	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9499	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	Full Name: myotilin	
Isotype: IgG	Calculated MW: 55 kDa	
Immunogen Catalog Number: AG1112	Observed MW: 55-57 kDa, 35 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse skeletal muscle tissue, mouse heart tissue
Cited Applications: IF, IHC, WB	IHC : mouse skeletal muscle tissue,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

MYOT (myotilin) is a structural protein of the striated muscle Z-discs. It interacts with both actinin and filamin, forming a complex to maintain structural stability of muscles. In adult tissues, myotilin is mainly expressed in skeletal and cardiac muscles and in the peripheral nerves. Missense mutations of myotilin cause limb girdle muscular dystrophy 1A and some other myopathy. Two isoforms of MYOT exist due to the alternative splicing. This antibody can detect both of isoforms around 57 kDa and 35 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Anna Vihola	31192305	Neurol Genet	
Marco Savarese	30900782	Ann Neurol	IF
Roula Ghaoui	26718575	Neurology	IHC

Storage

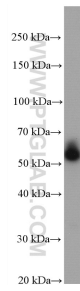
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

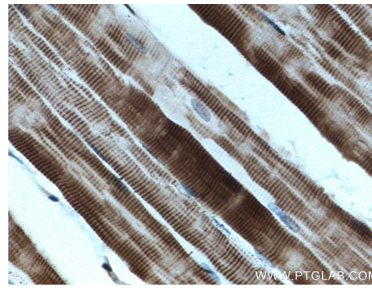
For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 10731-1-AP (MYOT antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 10731-1-AP (MYOT antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).