

For Research Use Only

# MYOT Polyclonal antibody

Catalog Number: 10731-1-AP 10 Publications



## Basic Information

<b>Catalog Number:</b> 10731-1-AP	<b>GenBank Accession Number:</b> BC005376	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9499	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UBF9	
<b>Isotype:</b> IgG	<b>Full Name:</b> myotilin	
<b>Immunogen Catalog Number:</b> AG1112	<b>Calculated MW:</b> 55 kDa	
	<b>Observed MW:</b> 55-57 kDa, 35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> mouse skeletal muscle tissue, mouse heart tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse skeletal muscle tissue,
<b>Cited Species:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

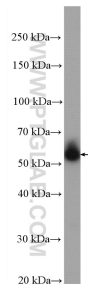
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

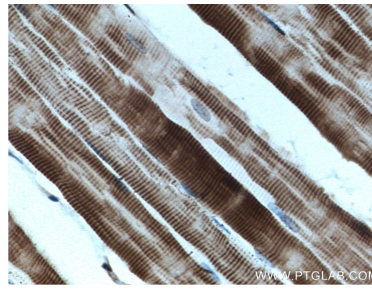
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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).