

## MYOT Polyclonal antibody

Catalog Number: 10731-1-AP 10 Publications

## Basic Information

## Catalog Number:

10731-1-AP

## Size:

450 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG1112

## GenBank Accession Number:

BC005376

## GeneID (NCBI):

9499

## UNIPROT ID:

Q9UBF9

## Full Name:

myotilin

## Calculated MW:

55 kDa

## Observed MW:

55-57 kDa, 35 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, ELISA

## Cited Applications:

WB, IHC, IF

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse, rat

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

## Positive Controls:

WB : mouse skeletal muscle tissue, mouse heart tissue

IHC : mouse skeletal muscle tissue,

## 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

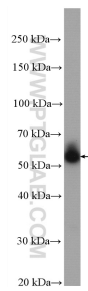
For technical support and original validation data for this product please contact:

T: 4006900926

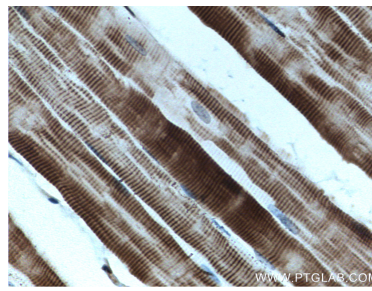
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## Selected Validation Data



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).