

For Research Use Only

MYOT Recombinant monoclonal antibody

Catalog Number: 87334-1-RR



Basic Information

Catalog Number: 87334-1-RR	GenBank Accession Number: /	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 9499	CloneNo.: 252646B7
Isotype: IgG	UNIPROT ID: Q9UBF9	Recommended Dilutions: WB: 1:5000-1:50000 IF-P: 1:200-1:800
Immunogen Catalog Number: EG6068	Full Name: myotilin Calculated MW: 55 kDa Observed MW: 55-57 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : human skeletal muscle tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue, pig skeletal muscle tissue IF-P : 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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

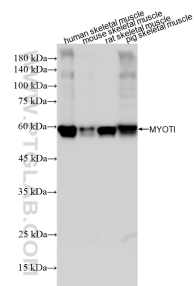
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E: Proteintech-CN@ptglab.com

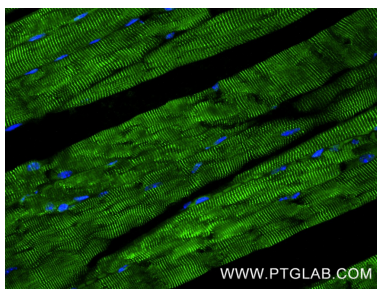
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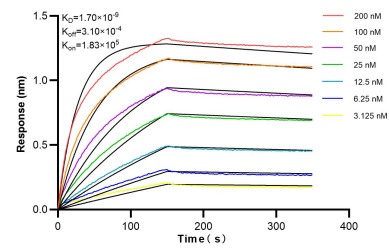
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87334-1-RR (MYOTI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skeletal muscle tissue using MYOT antibody (87334-1-RR, Clone: 252646B7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bilayer interferometry (BLI) kinetic assays of 87334-1-RR against Human MYOT were performed. The affinity constant is 1.70 nM.