

For Research Use Only

MYOM3 Recombinant antibody

Catalog Number:83852-3-RR



Basic Information

Catalog Number: 83852-3-RR	GenBank Accession Number: BC067101	Purification Method: Protein A purification
Size: 100ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 127294	CloneNo.: 240981F9
Source: Rabbit	UNIPROT ID: Q5VTT5	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF-P 1:50-1:500
Isotype: IgG	Full Name: myomesin family, member 3	
Immunogen Catalog Number: AG11849	Calculated MW: 162 kDa, 136 kDa	
	Observed MW: 162 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

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, rat skeletal muscle tissue

IHC : mouse skeletal muscle tissue,

IF-P : mouse skeletal muscle tissue,

Background Information

MYOM3 (myomesin 3) is a structural component of the M-band in striated muscle and is involved in sarcomere stability and resistance during intense or sustained stretching. MYOM3 can be detected mainly in intermediate-speed fibers of skeletal muscle. Recently high levels of MYOM3 fragments were detected in sera from patients with muscular dystrophy, including Duchenne muscular dystrophy (DMD). MYOM3 fragments may be used as serum biomarkers for DMD and other neuromuscular disorders.

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

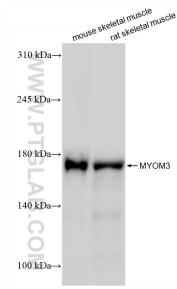
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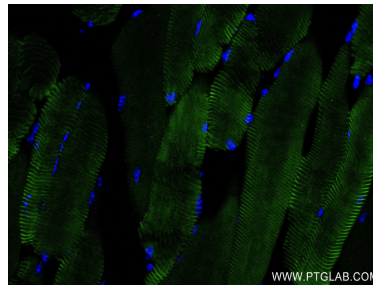
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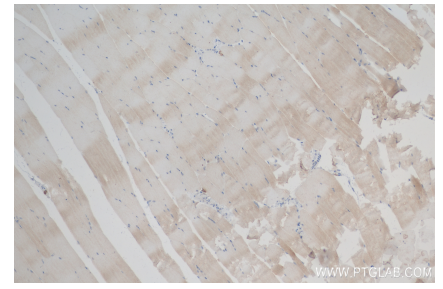
Selected Validation Data



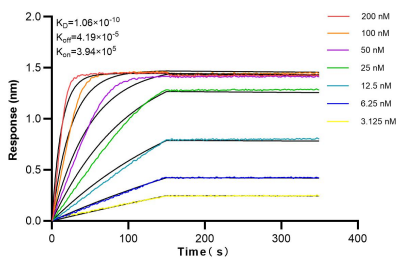
Various lysates were subjected to SDS PAGE followed by western blot with 83852-3-RR (MYOM3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using MYOM3 antibody (83852-3-RR, Clone: 240981F9) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 83852-3-RR (MYOM3 antibody) at dilution of 1:0 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 83852-3-RR against Human MYOM3 were performed. The affinity constant is 0.106 nM.