

For Research Use Only

MYH1 Monoclonal antibody, PBS Only



Catalog Number: 67299-1-PBS

Basic Information

Catalog Number: 67299-1-PBS	GenBank Accession Number: BC114545	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 4619	CloneNo.: 1G10H9
Source: Mouse	UNIPROT ID: P12882	
Isotype: IgG2a	Full Name: myosin, heavy chain 1, skeletal muscle, adult	
Immunogen Catalog Number: AG17129	Calculated MW: 1939 aa, 223 kDa	
	Observed MW: 220 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, mouse, pig

Background Information

MYH1 (MyHC-2x) encodes the IIX isoform of myosin heavy chain (MyHC). Myosin is a large, ubiquitous, motor protein that generates force through its interaction with actin, thus involving it in a number of cellular processes including cytokinesis, karyokinesis, cell migration, and muscle contraction. Muscle fibers can be divided as type 1 (slow) and type 2 (fast). MYH1 belongs to type 2.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

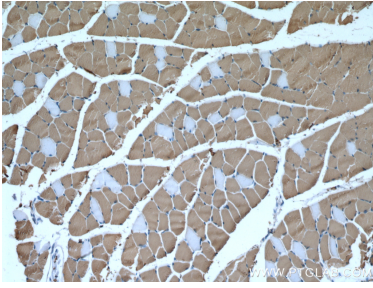
T: 4006900926

E: Proteintech-CN@ptglab.com

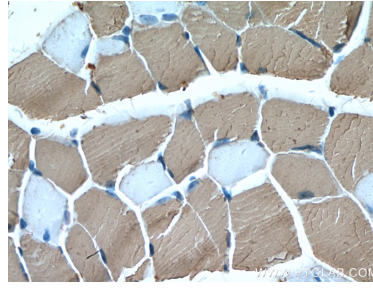
W: ptgcn.com

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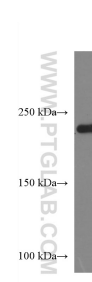
Selected Validation Data



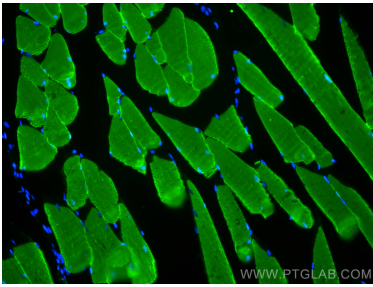
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67299-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67299-1-PBS in a different storage buffer formulation.



1 µg human skeletal muscle lysates were subjected to SDS PAGE followed by western blot with 67299-1-Ig (MYH1 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67299-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using MYH1 antibody (67299-1-Ig, Clone: 1G10H9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67299-1-PBS in a different storage buffer formulation.