

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: 100ug , Concentration: 1mg/ml by Nanodrop;	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, IHC, IF-P, 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

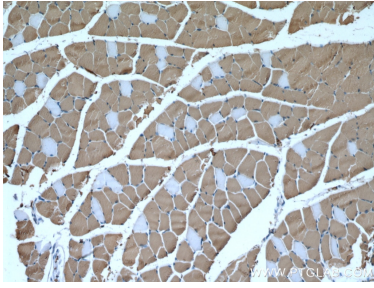
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

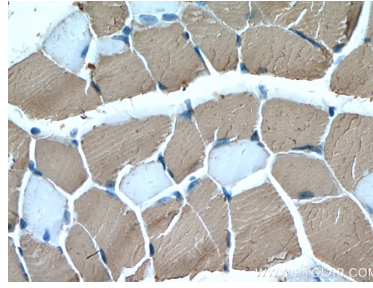
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

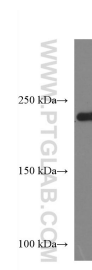
Selected Validation Data



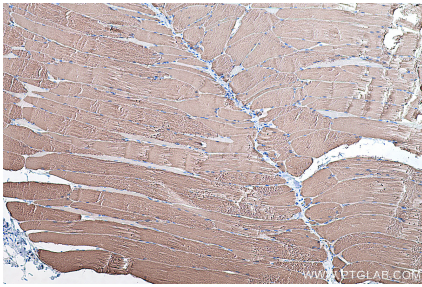
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67299-1-PBS in a different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



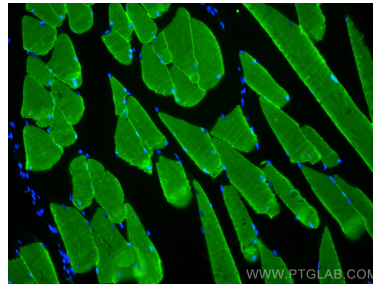
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67299-1-PBS in a different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



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 67299-1-Ig (MYH1 antibody) at dilution of 1:80000 (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.



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.