

For Research Use Only

MYH1 (N-terminal) Polyclonal antibody



Catalog Number: 25182-1-AP

13 Publications

Basic Information

Catalog Number: 25182-1-AP	GenBank Accession Number: BC114545	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4619	Recommended Dilutions: IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: myosin, heavy chain 1, skeletal muscle, adult	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 1939 aa, 223 kDa	
Immunogen Catalog Number: AG17129	Observed MW: 220-230 kDa	

Applications

Tested Applications: IHC, IP, ELISA	Positive Controls: IP: mouse skeletal muscle tissue, IHC: human skeletal muscle tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, chicken, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Peiyuan Li	34586803	J Agric Food Chem	WB
Genxi Zhang	33193566	Front Genet	WB
Charlotte Vanden Hole	31600318	PLoS One	IHC

Storage

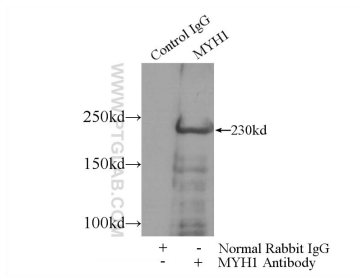
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

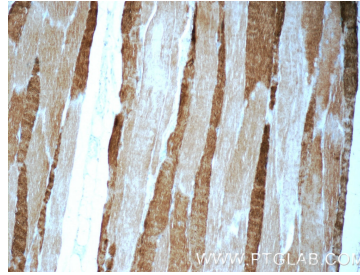
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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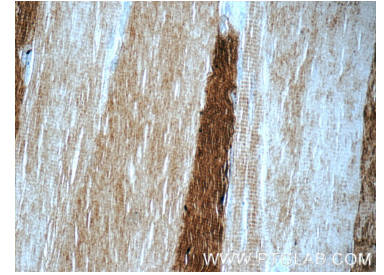
Selected Validation Data



IP Result of anti-MYH1 (IP:25182-1-AP, 5ug; Detection:25182-1-AP 1:1000) with mouse skeletal muscle tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25182-1-AP (MYH1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25182-1-AP (MYH1 Antibody) at dilution of 1:50 (under 40x lens).