For Research Use Only

MYOM3 Polyclonal antibody, PBS Only

Catalog Number:17692-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
17692-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG11849

GenBank Accession Number:
BC067101

GeneID (NCBI):
127294

UNIPROT ID:
Q5VTT5

Full Name:
myomesin family, member 3

Calculated MW:
162 kDa, 136 kDa

Observed MW:
162 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF-P, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

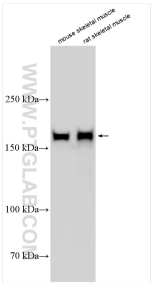
MYOM3 (myomesin 3) is a structural component of the M-band in striated muscle and is involved in sarcomere stability and resistance during intense or sustained stretching. MYOM3 can be detected mainly in intermediate-speed fibers of skeletal muscle. Recently high levels of MYOM3 fragments were detected 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. This antibody recognizes the intact MYOM3 protein (160-162 kDa) as well as MYOM3 fragments (100 kDa and 130 kDa). (26060189)

Storage

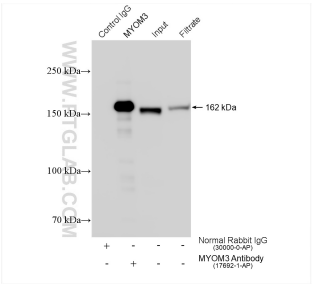
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

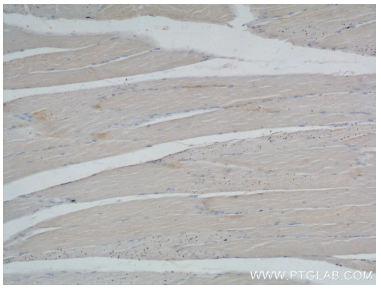
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17692-1-AP (MYOM3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.

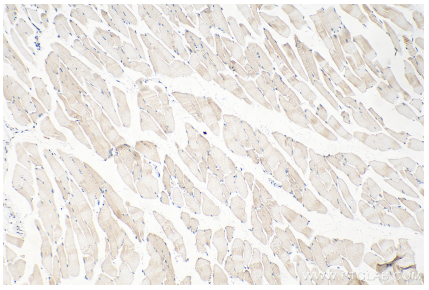


IP result of anti-MYOM3 (IP:17692-1-AP, 4ug; Detection:17692-1-AP 1:1000) with mouse skeletal muscle tissue lysate 1280 ug. This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.

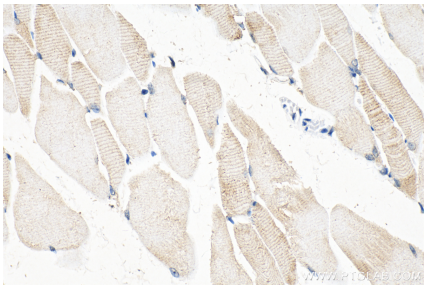


Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 17692-1-AP (MYOM3 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.

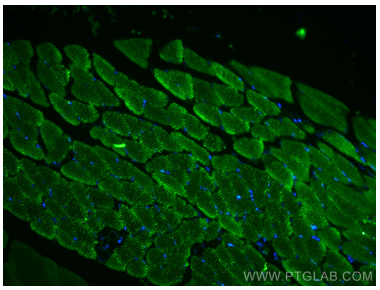
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 17692-1-AP (MYOM3 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 17692-1-AP (MYOM3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 17692-1-AP (MYOM3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using MYOM3 antibody (17692-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 17692-1-PBS in a different storage buffer formulation.