For Research Use Only

# MYL6B Polyclonal antibody

Catalog Number:16963-1-AP

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## Basic Information

Catalog Number:
16963-1-AP

Size:
550 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10683

GenBank Accession Number:
BC012425

GeneID (NCBI):
140465

UNIPROT ID:
P14649

Full Name:
myosin, light chain 6B, alkali, smooth muscle and non-muscle

Calculated MW:
208 aa, 23 kDa

Observed MW:
22-25 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IHC 1:50-1:500

## Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse

***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 : HuH-7 cells, mouse testis tissue

IHC : mouse skeletal muscle tissue,

## Background Information

MYL6B, also known as MLC1SA, is primarily found in a hexamer consisting of four light chains and two heavy chains. MYL6B is an essential light chain for non-muscle Myosin II (NMII) that is involved in the control of cell adhesion, cell migration and tissue architecture, cargo transport, and endocytosis (PMID: 29439719, 33817240).

## 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

For technical support and original validation data for this product please contact:
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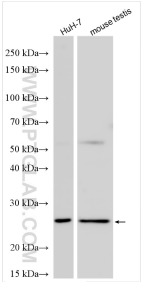
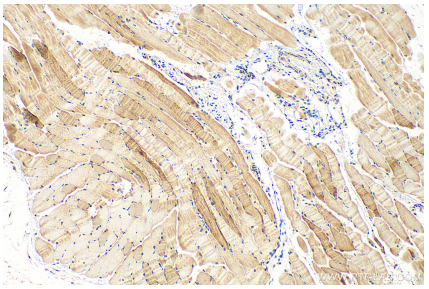
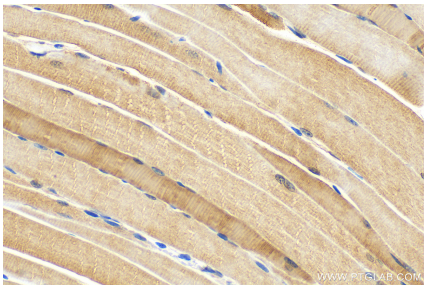
## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 16963-1-AP (MYL6B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 16963-1-AP (MYL6B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 16963-1-AP (MYL6B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).