

For Research Use Only

# MYL3 Monoclonal antibody, PBS Only



Catalog Number: 66286-1-PBS

## Basic Information

Catalog Number:

66286-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24535

GenBank Accession Number:

BC009790

GeneID (NCBI):

4634

UNIPROT ID:

P08590

Full Name:

myosin, light chain 3, alkali;  
ventricular, skeletal, slow

Calculated MW:

22 kDa

Observed MW:

22-25 kDa

Purification Method:

Protein G purification

CloneNo.:

2E4B2

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human, rat, mouse, pig

## Background Information

MYL3, also named as MLC1v, is an essential light chain of myosin that is associated with muscle contraction. It is expressed in ventricular and slow skeletal muscle. MYL3 may serve as a target for caspase-3 in dying cardiomyocytes. Mutations of MYL3 gene cause hypertrophic cardiomyopathy. MYL3 has been identified as potential serum biomarker for drug induced myotoxicity. Great increase in MYL3 serum concentration has been observed in rats with cardiac and skeletal muscle injury. (PMID:21685905)

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

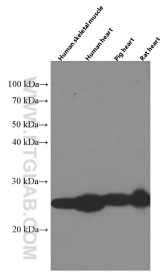
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

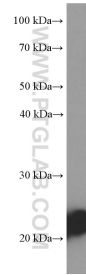
W: [ptgcn.com](http://ptgcn.com)

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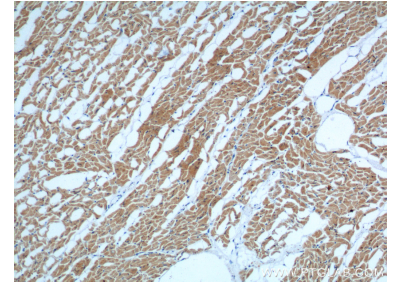
## Selected Validation Data



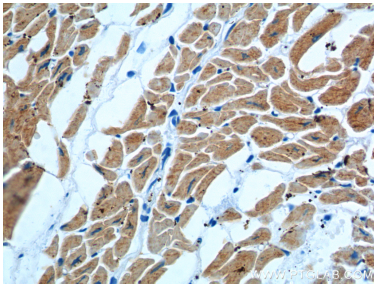
Various tissue lysates were subjected to SDS PAGE followed by western blot with 66286-1-Ig (MYL3 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66286-1-PBS in a different storage buffer formulation.



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66286-1-Ig (MYL3 Antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66286-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66286-1-Ig (MYL3 Antibody) at dilution of 1:600 (under 10x lens). This data was developed using the same antibody clone with 66286-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66286-1-Ig (MYL3 Antibody) at dilution of 1:600 (under 40x lens). This data was developed using the same antibody clone with 66286-1-PBS in a different storage buffer formulation.