

# MYH4 Rabbit mAb

Catalog No.: A27852 **Recombinant**

## Basic Information

### Observed MW

250kDa

### Calculated MW

223kDa

### Category

Primary antibody

### Applications

WB,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC75663

## Background

Enables double-stranded RNA binding activity. Involved in muscle contraction. Located in myofibril.

## Recommended Dilutions

**WB** 1:5000 - 1:20000

**IF-P** 1:100 - 1:200

**IHC-P** 1:400 - 1:1600

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4622

### Swiss Prot

Q9Y623

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

MYH2B; MyHC-2B; MyHC-IIb

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

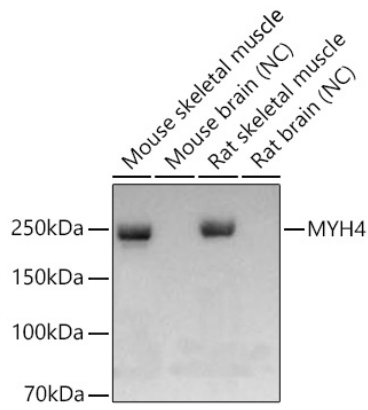
Affinity purification

### Storage

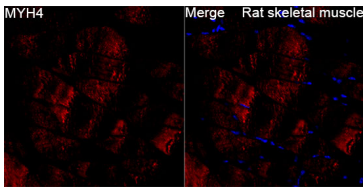
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

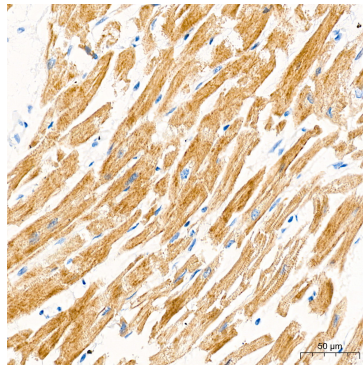
## Validation Data



Western blot analysis of various lysates using MYH4 Rabbit mAb (A27852) at 1:5000 dilution incubated at room temperature for 1.5 hours.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Negative control (NC): Mouse brain, Rat brain  
Exposure time: 5s.



Immunofluorescence analysis of paraffin-embedded Rat skeletal muscle tissue using MYH4 Rabbit mAb (A27852) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human heart tissue using MYH4 Rabbit mAb (A27852) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.