

# MYH6/ $\alpha$ -MHC Rabbit pAb

Catalog No.: A9516 **6 Publications**

## Basic Information

### Observed MW

255kDa

### Calculated MW

224kDa

### Category

Primary antibody

### Applications

WB,IF-P,ELISA

### Cross-Reactivity

Mouse, Rat

## Background

Cardiac muscle myosin is a hexamer consisting of two heavy chain subunits, two light chain subunits, and two regulatory subunits. This gene encodes the alpha heavy chain subunit of cardiac myosin. The gene is located approximately 4kb downstream of the gene encoding the beta heavy chain subunit of cardiac myosin. Mutations in this gene cause familial hypertrophic cardiomyopathy and atrial septal defect 3.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IF-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4624

### Swiss Prot

P13533

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

ASD3; MYHC; SSS3; CMH14; MYHCA; CMD1EE; alpha-MHC; MYH6/ $\alpha$ -MHC

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

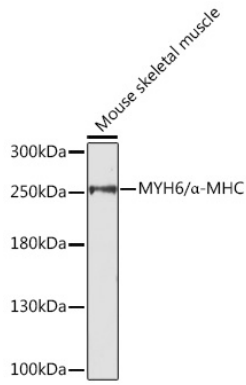
### Storage

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

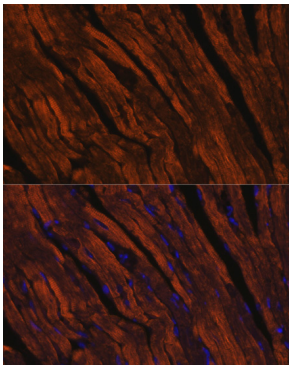
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

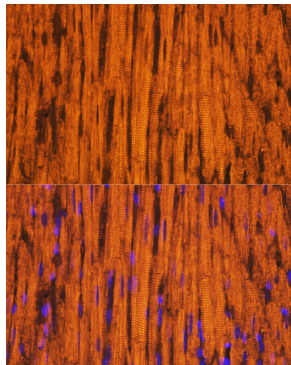
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Western blot analysis of lysates from mouse skeletal muscle, using MYH6/α-MHC Rabbit pAb (A9516).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25μg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of mouse heart using MYH6/α-MHC Rabbit pAb (A9516) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat heart using MYH6/α-MHC Rabbit pAb (A9516) at dilution of 1:100. Blue: DAPI for nuclear staining.