# MYH6 Rabbit mAb

Catalog No.: A25357 Recombinant 1 Publications



## **Basic Information**

## **Observed MW**

250kDa

## **Calculated MW**

224kDa

### Category

Primary antibody

## **Applications**

WB,IF-P,ELISA

### **Cross-Reactivity**

Human, Mouse

#### CloneNo number

ARC62607

## Conjugate

Unmodified

## **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 1:1000 - 1:5000

**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
 Swiss Prot

 4624
 P13533

### **Immunogen**

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

## **Synonyms**

ASD3; MYHC; SSS3; CMH14; MYHCA; CMD1EE; alpha-MHC

## Contact

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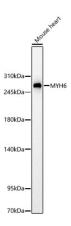
## **Product Information**

Source	Isotype	Purification
Rabbit	IgG	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.

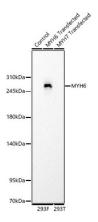


Western blot analysis of lysates from Mouse heart using MYH6 Rabbit mAb (A25357) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25 \mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Western blot analysis of lysates from wild type (WT) ,293F cells transfected with MYH6 and 293T cells transfected with MYH7 using MYH6 Rabbit mAb (A25357) at 1:3000 dilution.

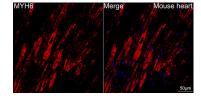
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.



Confocal imaging of paraffin-embedded Mouse heart using MYH6 Rabbit mAb (A25357, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.