MYH6 Rabbit mAb

Catalog NO.: A25357 Recombinant 4 Publications

Basic Information

Observed MW
250kDa

Calculated MW
224kDa

Category
Monoclonal Antibodies

Applications
WB, IF-P, ELISA

Cross-Reactivity
Human, Mouse

Conjugation
Unconjugated

Clone number
ARC62607

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 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4624

Swiss Prot
P13533

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

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

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

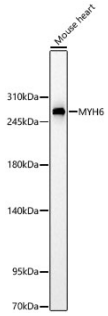
Source
Rabbit

Isotype
IgG

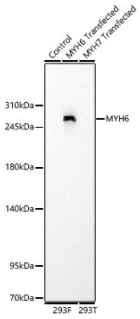
Purification
Affinity purification

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.

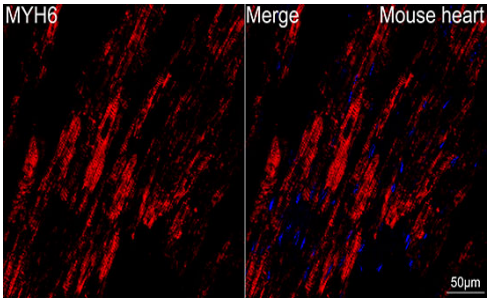
Validation Data



Western blot analysis of lysates from Mouse heart 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: 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.

For research use only. Not for therapeutic or diagnostic purposes.

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