

Myosin heavy chain Monoclonal Antibody

CAB4963

Description

This Myosin heavy chain Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB4963

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Monoclonal Antibody

Synonyms: CMD1S, CMH1, MPD1, MYHCB, SPMD, SPMM, Myosin heavy chain

Clone: ARC1170

Applications: WB IHC-P ELISA IF-P

Conjugation: Unconjugated

Reactivity: Mouse, Rat

Antibody Data

Gene ID: 4625 4624

Uniprot: AB_2863399

Host Species: Rabbit

Purification: Affinity purification

Observed MW: 224kDa

Calculated MW: 224kDa

Preparation & Storage

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.

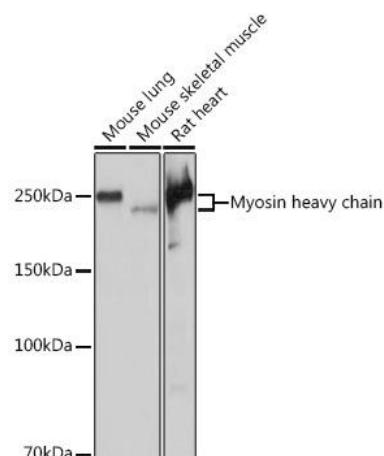
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: Mouse lung, Mouse skeletal muscle, Rat heart

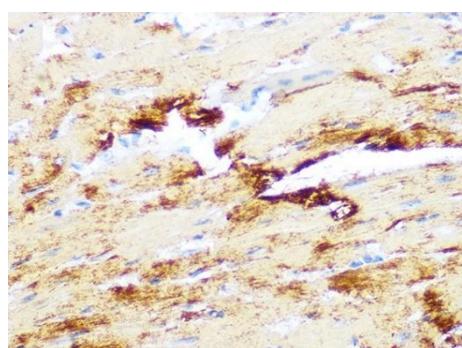
Recommended Dilutions:	<table border="1"> <tr> <td>WB</td><td>1:1000 - 1:6000</td></tr> <tr> <td>IF-P</td><td>1:100 - 1:400</td></tr> <tr> <td>IHC-P</td><td>1:100 - 1:500</td></tr> <tr> <td>ELISA</td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	WB	1:1000 - 1:6000	IF-P	1:100 - 1:400	IHC-P	1:100 - 1:500	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

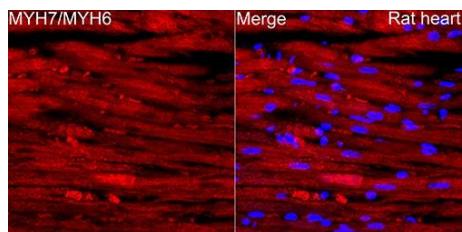
Validation Data



Western blot analysis of various lysates using Myosin heavy chain Rabbit mAb (CAB4963) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using Myosin heavy chain Rabbit mAb (CAB4963) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded rat heart using Myosin heavy chain Rabbit mAb (CAB4963) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.