abcam

Product datasheet

Anti-MYOM1 antibody [EPR17322] - BSA and Azide free ab251338

Recombinant RabMAb

8 Images

Overview

Product name	Anti-MYOM1 antibody [EPR17322] - BSA and Azide free
Description	Rabbit monoclonal [EPR17322] to MYOM1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	ab251338 is the carrier-free version of **ab201228**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR17322
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251338 in the following tested applications.

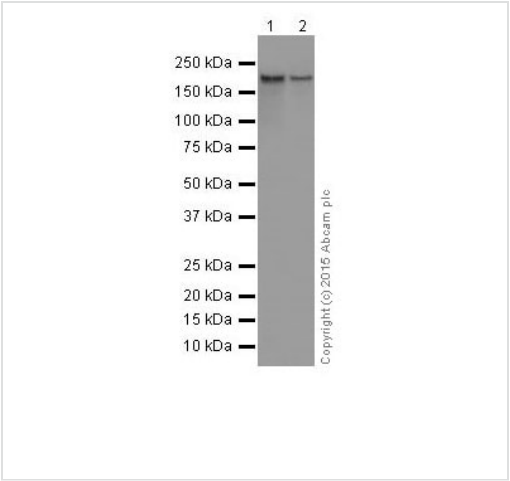
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 188 kDa (predicted molecular weight: 188 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function	Major component of the vertebrate myofibrillar M band. Binds myosin, titin, and light meromyosin. This binding is dose dependent.
Sequence similarities	Contains 5 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Images



Western blot - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

All lanes : Anti-MYOM1 antibody [EPR17322] (**ab201228**) at 1/20000 dilution

Lane 1 : Mouse heart lysate
Lane 2 : Mouse muscle lysate

Lysates/proteins at 20 µg per lane.

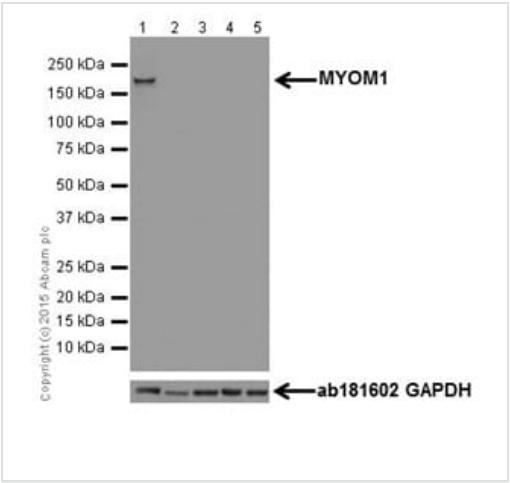
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 188 kDa
Observed band size: 188 kDa

Exposure time: 1 minute

This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

All lanes : Anti-MYOM1 antibody [EPR17322] (**ab201228**) at 1/20000 dilution

Lane 1 : Rat heart lysate
Lane 2 : Rat brain lysate
Lane 3 : Rat kidney lysate
Lane 4 : C6 (Rat glial tumor cells) whole cell lysate
Lane 5 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

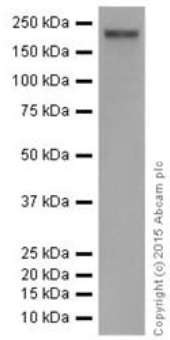
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 188 kDa
Observed band size: 188 kDa

Exposure time: 15 seconds

This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

Anti-MYOM1 antibody [EPR17322] (**ab201228**) at 1/20000 dilution + Human fetal heart tissue lysate at 10 µg

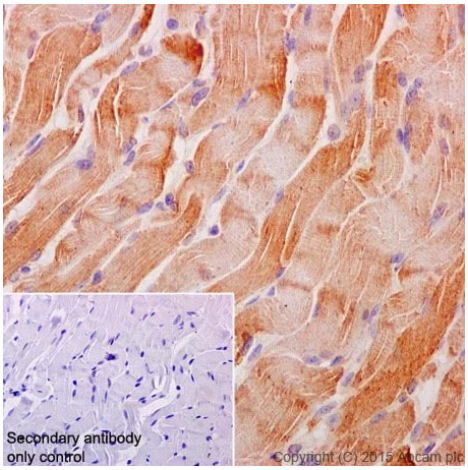
Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 188 kDa
Observed band size: 188 kDa

Exposure time: 3 minutes

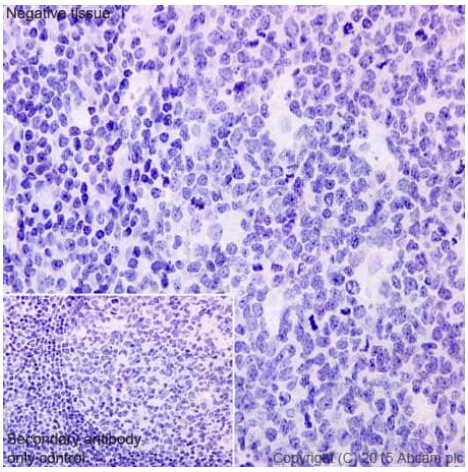
This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



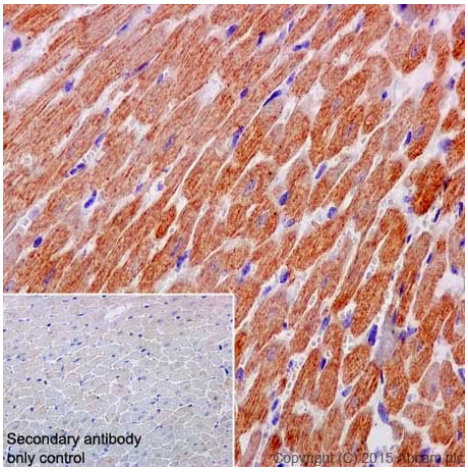
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labeling MYOM1 with **ab201228** at 1/400 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic staining on Human skeletal muscle tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



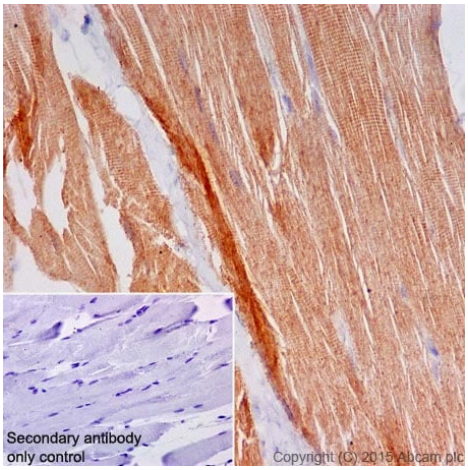
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling MYOM1 with **ab201228** at 1/400 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Human tonsil tissue is a negative control for MYOM1. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



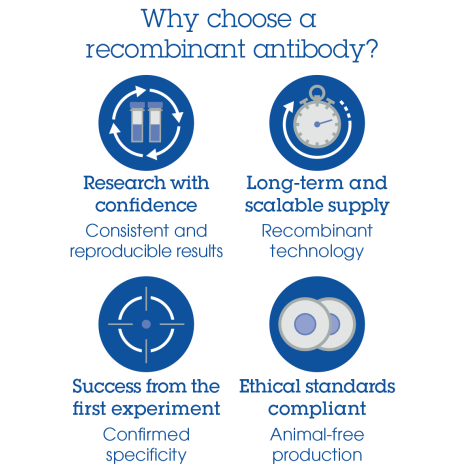
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle tissue labeling MYOM1 with **ab201228** at 1/400 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic staining on mouse skeletal muscle tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

This data was developed using **ab201228**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded Rat skeletal muscle tissue labeling MYOM1 with **ab201228** at 1/400 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic staining on rat skeletal muscle tissue is observed. Counter stained with Hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-MYOM1 antibody [EPR17322] - BSA and Azide free (ab251338)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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