abcam

Product datasheet

Anti-MYOM1 antibody [EPR17322-9] ab205618

Recombinant RabMAb

1 References 8 Images

Overview

Product name	Anti-MYOM1 antibody [EPR17322-9]
Description	Rabbit monoclonal [EPR17322-9] to MYOM1
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.
Positive control	WB; Human fetal heart lysate; mouse heart and muscle lysates; rat heart lysate. IHC-P; Human cardiac muscle, mouse cardiac muscle and rat skeletal muscle tissues.
General notes	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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17322-9
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab205618 in the following tested applications.

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

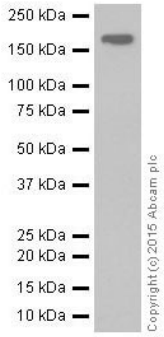
Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 188 kDa (predicted molecular weight: 188 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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 [EPR17322-9] (ab205618)

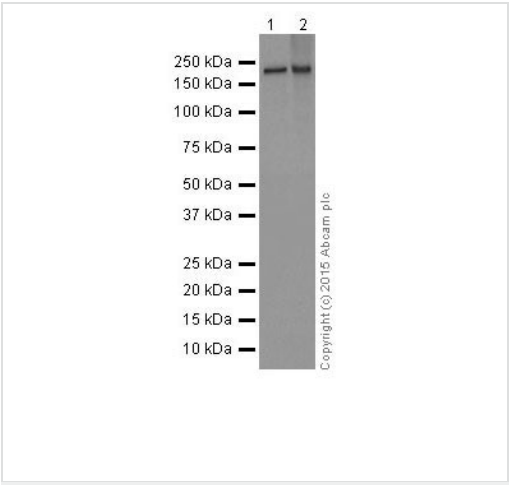
Anti-MYOM1 antibody [EPR17322-9] (ab205618) at 1/5000 dilution
+ Human fetal heart lysate at 10 µg

Secondary
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/10000 dilution

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

Exposure time: 2 minutes

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MYOM1 antibody [EPR17322-9] (ab205618)

All lanes : Anti-MYOM1 antibody [EPR17322-9] (ab205618) at 1/5000 dilution

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

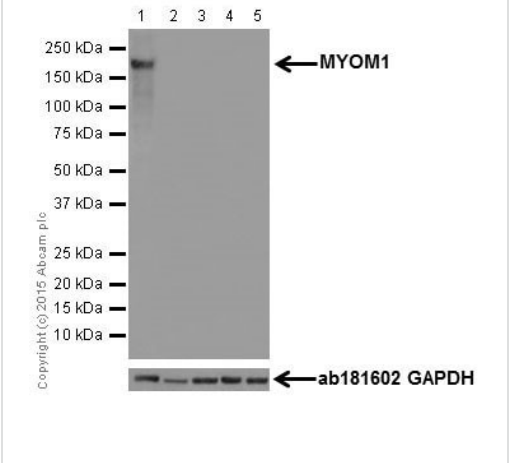
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

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

Exposure time: 5 seconds

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-MYOM1 antibody [EPR17322-9] (ab205618)

All lanes : Anti-MYOM1 antibody [EPR17322-9] (ab205618) at 1/5000 dilution

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

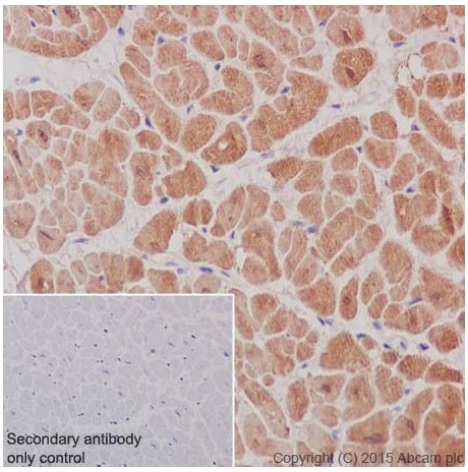
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/100000 dilution

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

Exposure time: 5 seconds

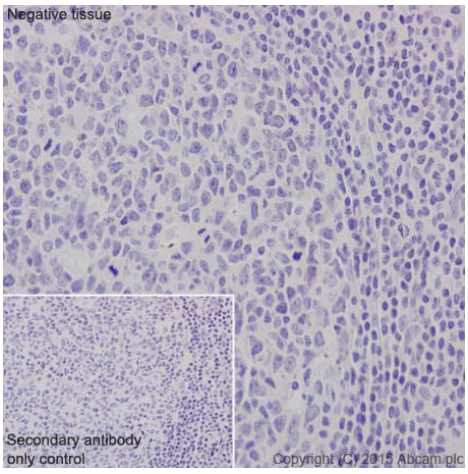
Blocking/dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322-9] (ab205618)

Immunohistochemical analysis of paraffin-embedded Human cardiac muscle tissue labeling MYOM1 with ab205618 at 1/50 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Cytoplasmic staining on human cardiac muscle tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary ab, secondary ab is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**).

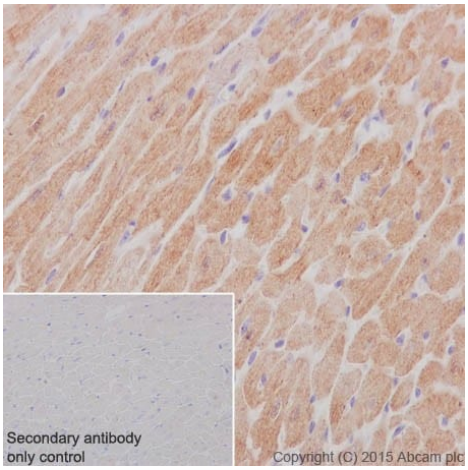
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322-9] (ab205618)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling MYOM1 with ab205618 at 1/50 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. No staining on human tonsil tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary ab, secondary ab is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**).

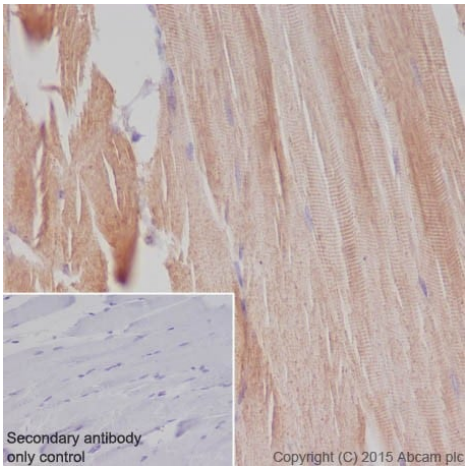
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322-9] (ab205618)

Immunohistochemical analysis of paraffin-embedded mouse cardiac muscle tissue labeling MYOM1 with ab205618 at 1/50 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Cytoplasmic staining on mouse cardiac muscle tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary ab, secondary ab is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**).

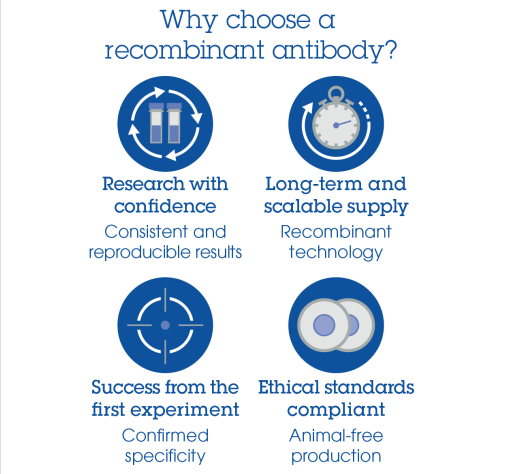
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYOM1 antibody [EPR17322-9] (ab205618)

Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue labeling MYOM1 with ab205618 at 1/50 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) 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 ab, secondary ab is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-MYOM1 antibody [EPR17322-9] (ab205618)

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