

## Product datasheet

# Anti-MYH7B antibody [EPR12290] - BSA and Azide free ab240173

Recombinant RabMAb

8 Images

### Overview

<b>Product name</b>	Anti-MYH7B antibody [EPR12290] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR12290] to MYH7B - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human MYH7B. The exact sequence is proprietary. Database link: <a href="#">A7E2Y1</a>
<b>General notes</b>	<p>ab240173 is the carrier-free version of <a href="#">ab172967</a>.</p> <p>The mouse and rat recommendation is based on the WB results. This antibody may not be suitable for IHC with mouse or rat samples.</p> <p>Our <b>carrier-free</b> 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.</p> <p>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.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12290
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab240173 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
<b>IHC-P</b>		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 221 kDa.

## Target

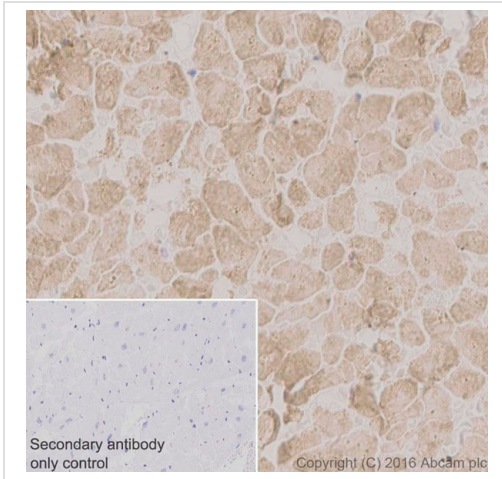
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<b>Function</b>	Involved in muscle contraction.
<b>Tissue specificity</b>	Expressed in heart, skeletal muscle, testis, and all specific brain regions examined. Slightly lower expression was detected in ovary and kidney, and intermediate expression was detected in lung, pancreas, spleen and liver.
<b>Sequence similarities</b>	Contains 1 IQ domain. Contains 1 myosin head-like domain.
<b>Developmental stage</b>	Found in fetal liver and brain.
<b>Cellular localization</b>	Membrane.

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## Images

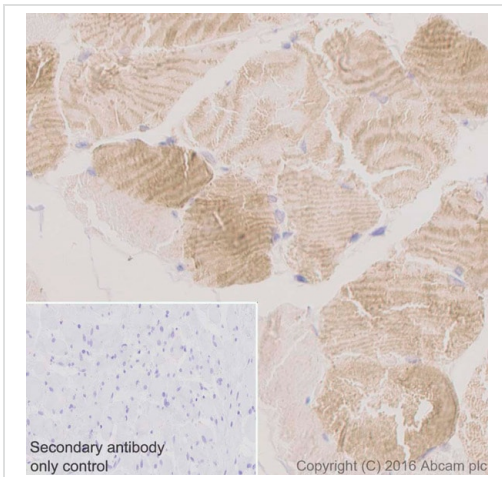
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human cardiac muscle tissue sections labeling MYH7B with Purified [ab172967](#) at 1:1000 dilution (1.03 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9. Tissue was counterstained with Hematoxylin. [ab97051](#) Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1:500 dilution. PBS instead of the primary antibody was used as the negative control.

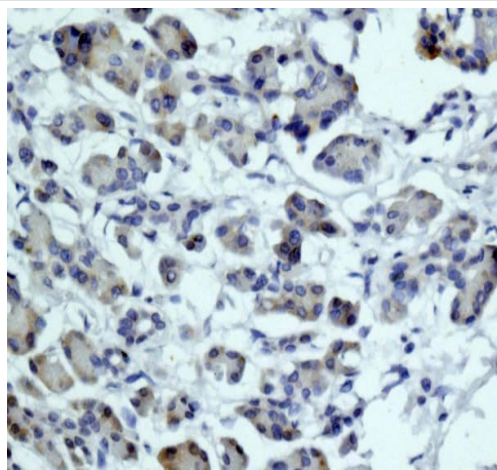
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab172967](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skeletal muscle tissue sections labeling MYH7B with Purified [ab172967](#) at 1:1000 dilution (1.03 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9. Tissue was counterstained with Hematoxylin. [ab97051](#) Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1:500 dilution. PBS instead of the primary antibody was used as the negative control.

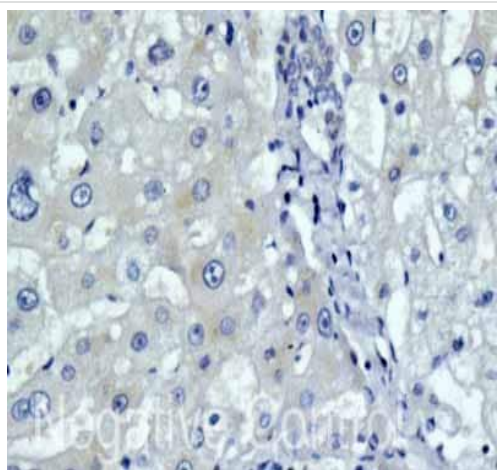
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab172967](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

**ab172967** showing +ve staining in Human normal pancreas tissue.

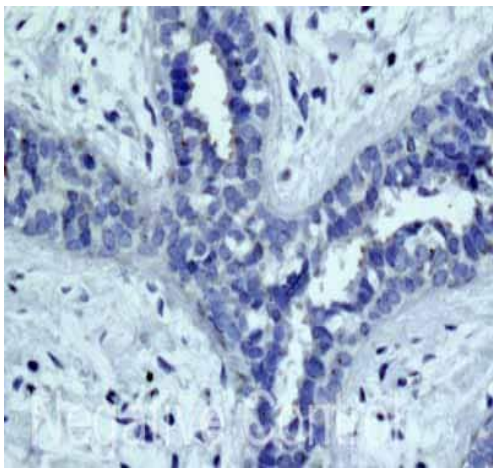
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab172967**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

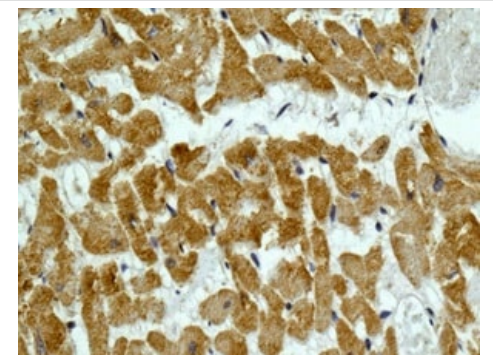
**ab172967** showing -ve staining in Human normal liver tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab172967**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

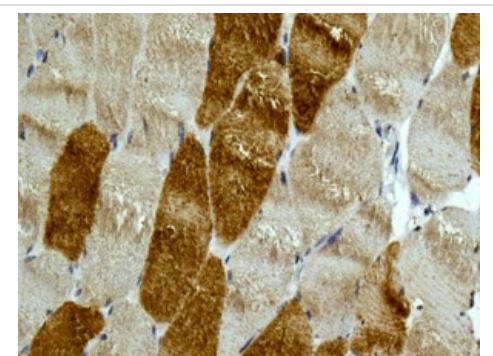
**ab172967** showing -ve staining in Human normal breast tissue. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab172967**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

Immunohistochemical analysis of paraffin embedded Human heart tissue labeling MYH7B with **ab172967** at a 1/250 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab172967**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

Immunohistochemical analysis of paraffin embedded Human skeletal muscle tissue labeling MYH7B with **ab172967** at a 1/250 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab172967**).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-MYH7B antibody [EPR12290] - BSA and Azide free (ab240173)

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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