

### Anti-MYH7B antibody [EPR12290] ab172967

リコンビナント **RabMAb**

★★★★☆ **3 Abreviews** **17 References** 画像数 **11**

#### 製品の概要

|              |  |
|--------------|--|
| 製品名          | Anti-MYH7B antibody [EPR12290]   |
| 製品の詳細        | Rabbit monoclonal [EPR12290] to MYH7B  |
| 由来種          | Rabbit   |
| アプリケーション     | <b>適用あり:</b> WB, IHC-P   |
| 種交差性         | <b>交差種:</b> Mouse, Rat, Human  |
| 免疫原          | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.   |
| ポジティブ・コントロール | WB: Human fetal muscle, fetal heart and skeletal muscle lysates. IHC-P: Human skeletal muscle, cardiac muscle, pancreas and heart tissues. ICC/IF: Rat glial tumor cell line.  |
| 特記事項         | <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>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> |

#### 製品の特性

|       |   |
|-------|---|
| 製品の状態 | Liquid  |
| 保存方法  | 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. |
| バッファー | Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol  |
| 精製度   | Protein A purified  |
| ポリ/モノ | モノクローナル   |
| クローン名 | EPR12290  |

## アプリケーション

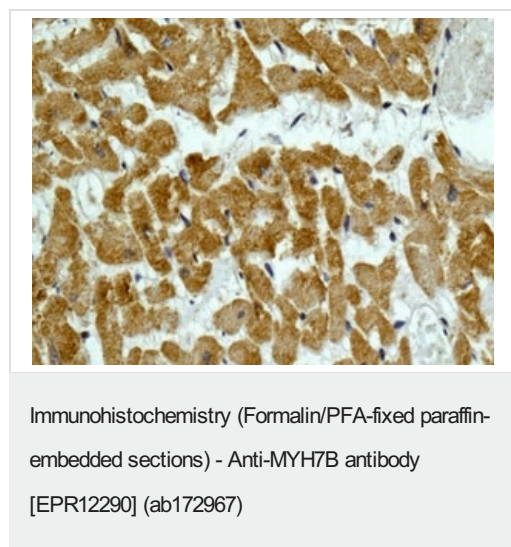
**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab172967の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| WB       | ★★★★★ (1) | 1/1000 - 1/5000. Predicted molecular weight: 221 kDa.   |
| IHC-P    | ★★★★★ (1) | 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.<br>See <b><u>IHC antigen retrieval protocols</u></b> .<br><b>For unpurified format use at 1/250 - 1/500.</b> |

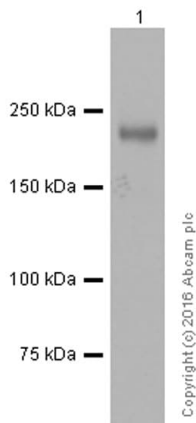
## ターゲット情報

|       |   |
|-------|---|
| 機能    | Involved in muscle contraction.   |
| 組織特異性 | 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. |
| 配列類似性 | Contains 1 IQ domain.<br>Contains 1 myosin head-like domain.  |
| 発生段階  | Found in fetal liver and brain.   |
| 細胞内局在 | Membrane.   |

## 画像



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



Western blot - Anti-MYH7B antibody [EPR12290] (ab172967)

Anti-MYH7B antibody [EPR12290] (ab172967) at 0.05 µg/ml (Purified) + Human fetal muscle lysate at 20 µg

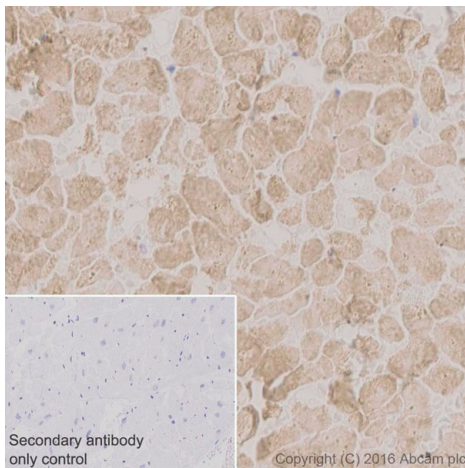
### Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 221 kDa

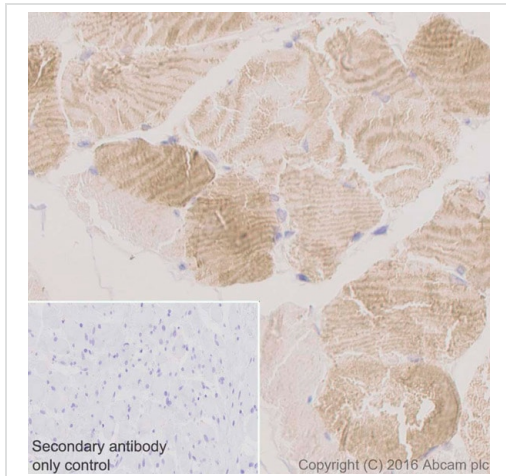
**Observed band size:** 221 kDa

Blocking and diluting buffer: 5% NFDm/TBST



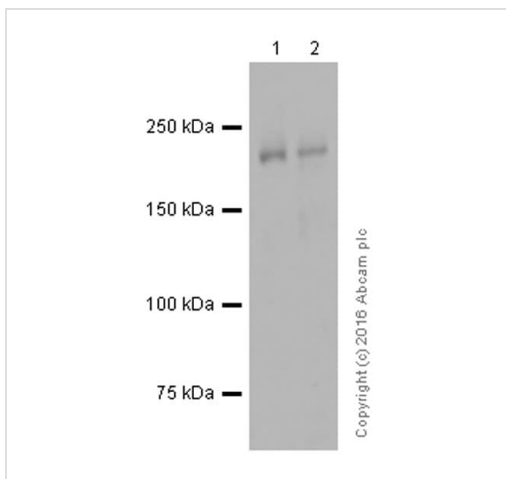
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] (ab172967)

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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] (ab172967)

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.



Western blot - Anti-MYH7B antibody [EPR12290] (ab172967)

**All lanes :** Anti-MYH7B antibody [EPR12290] (ab172967) at 0.1 µg/ml (Purified)

**Lane 1 :** Mouse heart lysate

**Lane 2 :** Rat heart lysate

Lysates/proteins at 20 µg per lane.

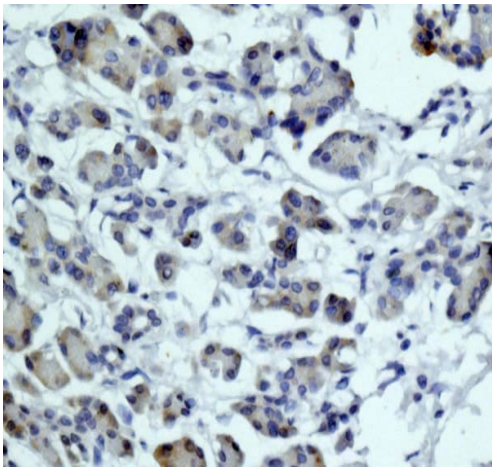
### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 221 kDa

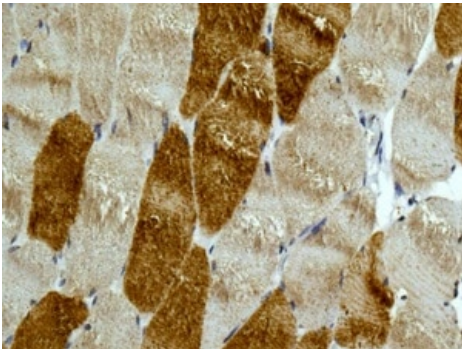
**Observed band size:** 221 kDa

Blocking and diluting buffer: 5% NFDm/TBST



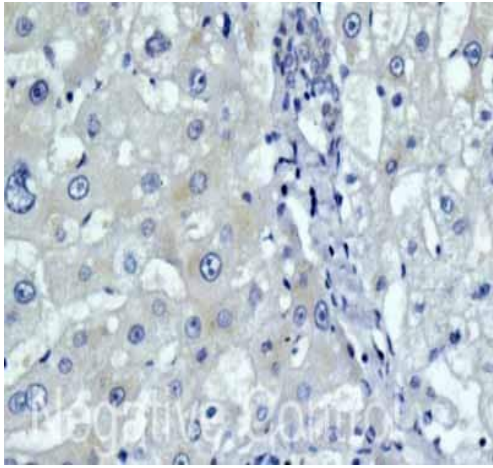
ab172967 showing +ve staining in Human normal pancreas tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] (ab172967)



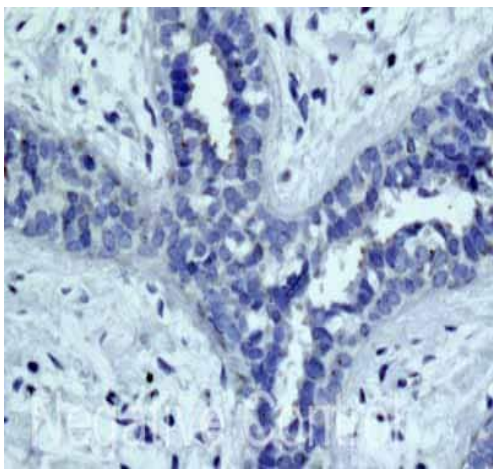
Immunohistochemical analysis of paraffin embedded Human skeletal muscle tissue labeling MYH7B with ab172967 at a 1/250 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody [EPR12290] (ab172967)



ab172967 showing -ve staining in Human normal liver tissue.

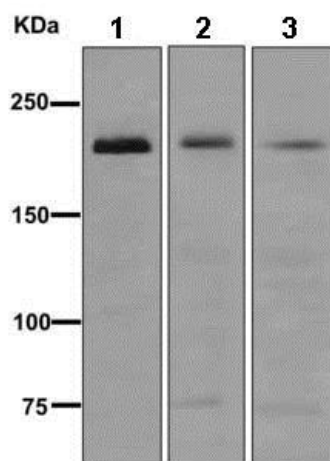
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody  
[EPR12290] (ab172967)



ab172967 showing -ve staining in Human normal breast tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYH7B antibody  
[EPR12290] (ab172967)





Western blot - Anti-MYH7B antibody [EPR12290]  
(ab172967)

**All lanes :** Anti-MYH7B antibody [EPR12290] (ab172967) at 1/1000 dilution (unpurified)

**Lane 1 :** Human fetal muscle lysates

**Lane 2 :** Human fetal heart lysates

**Lane 3 :** Human skeletal muscle lysates

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 221 kDa

#### 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] (ab172967)

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