

### Anti-HSPB7 antibody [EPR10106(B)] ab150390

**重组** RabMAb

★★★★★ **3 Abreviews** **11 References** **14 图像**

#### 概述

产品名称	Anti-HSPB7抗体[EPR10106(B)]
描述	兔单克隆抗体[EPR10106(B)] to HSPB7
宿主	Rabbit
经测试应用	<b>适用于:</b> IHC-P, WB, IP <b>不适用于:</b> ICC/IF
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human HSPB7 aa 1-100. The exact sequence is proprietary.
阳性对照	Human fetal heart cell lysate; Human skeletal muscle and heart tissues, mouse and rat heart tissue lysates.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.14% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR10106(B)

同种型IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab150390于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

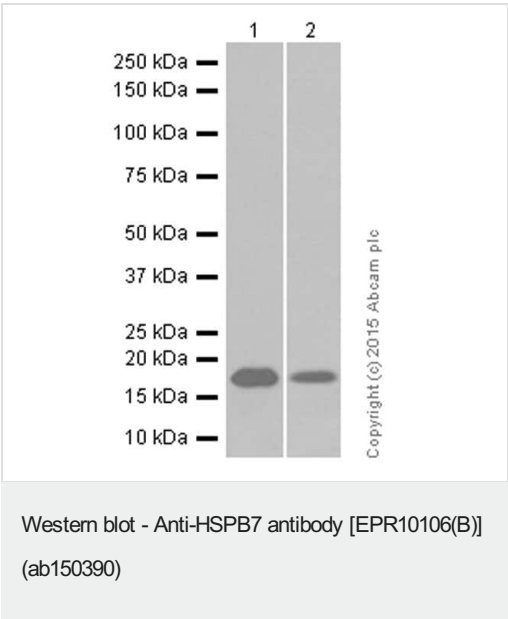
应用	Ab评论	说明
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 19 kDa.
IP	★★★★★ (1)	1/10 - 1/100.

应用说明      Is unsuitable for ICC/IF.

靶标

组织特异性	Isoform 1 is highly expressed in adult and fetal heart, skeletal muscle, and at a much lower levels in adipose tissue and in aorta. Undetectable in other tissues. Isoform 2 and isoform 3 are poorly detected in heart.
序列相似性	Belongs to the small heat shock protein (HSP20) family.
细胞定位	Cytoplasm. Nucleus. Nucleus > Cajal body. Resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

图片



**All lanes :** Anti-HSPB7 antibody [EPR10106(B)] (ab150390) at 1/1000 dilution

**Lane 1 :** Mouse heart tissue lysates

**Lane 2 :** Rat heart tissue lysates

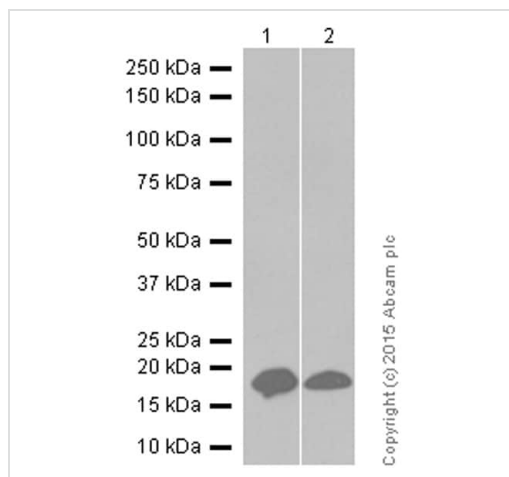
Lysates/proteins at 20 µg per lane.

Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 19 kDa

**Additional bands at:** 19 kDa. We are unsure as to the identity of these extra bands.



Western blot - Anti-HSPB7 antibody [EPR10106(B)]  
(ab150390)

**All lanes :** Anti-HSPB7 antibody [EPR10106(B)] (ab150390) at 1/1000 dilution

**Lane 1 :** Human fetal heart tissue lysates

**Lane 2 :** Human skeletal muscle tissue lysates

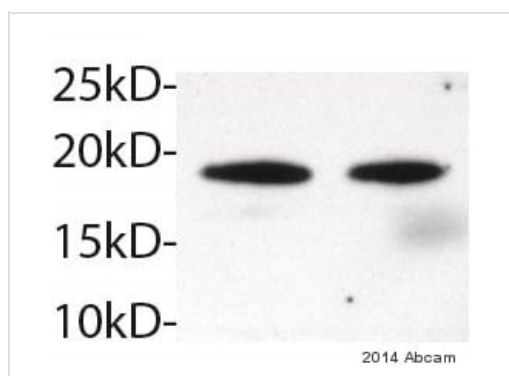
Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 19 kDa

**Additional bands at:** 19 kDa. We are unsure as to the identity of these extra bands.



Western blot - Anti-HSPB7 antibody [EPR10106(B)]  
(ab150390)

This image is courtesy of an anonymous Abreview

**All lanes :** Anti-HSPB7 antibody [EPR10106(B)] (ab150390) at 1/200 dilution

**All lanes :** Mouse embryonic heart lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat anti-rabbit polyclonal HRP conjugated antibody at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

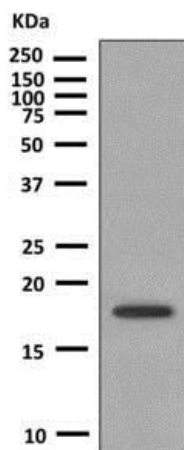
**Predicted band size:** 19 kDa

**Exposure time:** 2 minutes

Bocking carried out at 4°C for 12 hours with 2.5% BSA in TBST.

Dilutions carried out in Blocking buffer.

Gel used 4-12%



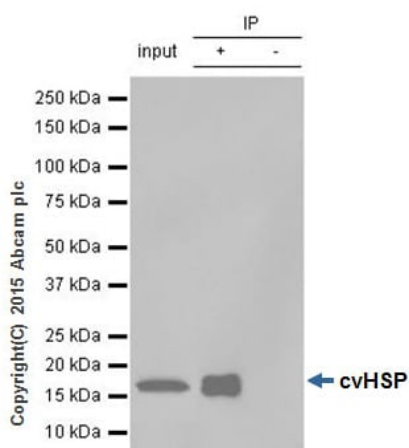
Western blot - Anti-HSPB7 antibody [EPR10106(B)]  
(ab150390)

Anti-HSPB7 antibody [EPR10106(B)] (ab150390) at 1/1000  
dilution + Human fetal heart cell lysate at 10 µg

### Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 19 kDa



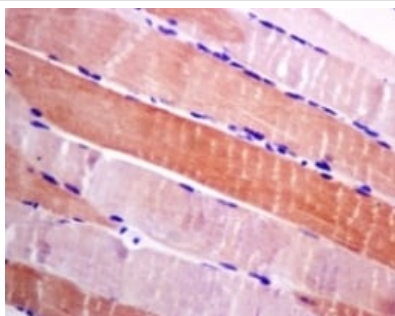
Immunoprecipitation - Anti-HSPB7 antibody  
[EPR10106(B)] (ab150390)

ab150390 immunoprecipitating HSPB7. 10µg of cell lysate was  
incubated with primary antibody at a dilution of 1/20 and VeriBlot for  
IP Detection Reagent (HRP) ([ab131366](#)) at a dilution of 1/10000.

**Lane 1:** Mouse heart whole cell lysate (10ug)

**Lane 2:** Mouse heart whole cell lysate

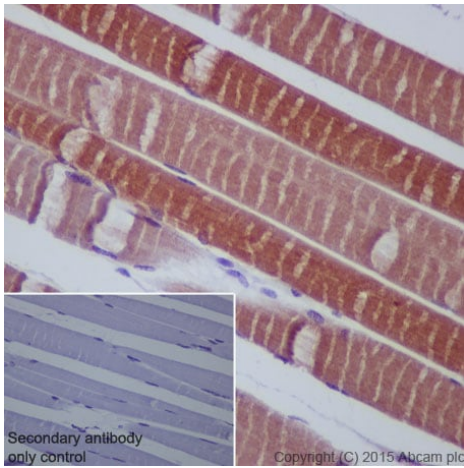
**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab150390  
in mouse heart whole cell lysate



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-HSPB7 antibody  
[EPR10106(B)] (ab150390)

Immunohistochemical analysis of paraffin embedded Human  
skeletal muscle tissue labeling HSPB7 with ab150390 at a 1/50  
dilution.

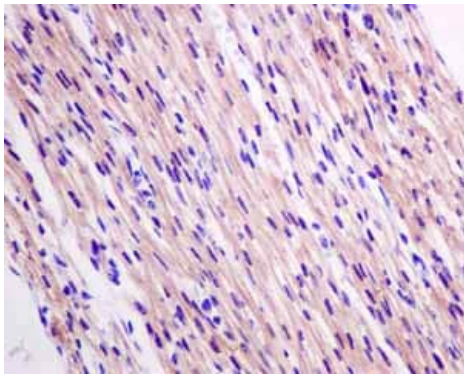
Perform heat mediated antigen retrieval before commencing with  
IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

ab150390 staining HSPB7 in human skeletal muscle tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/50. A goat anti-rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody at a dilution of 1/500.

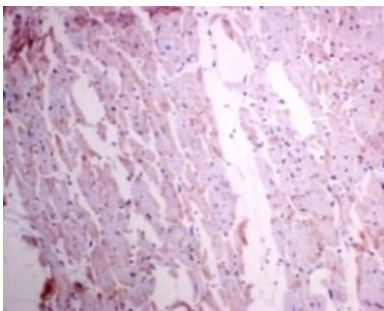
**Negative control 1:** PBS in place of primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

Immunohistochemical analysis of paraffin embedded Human Fetal heart tissue using ab150390 showing +ve staining.

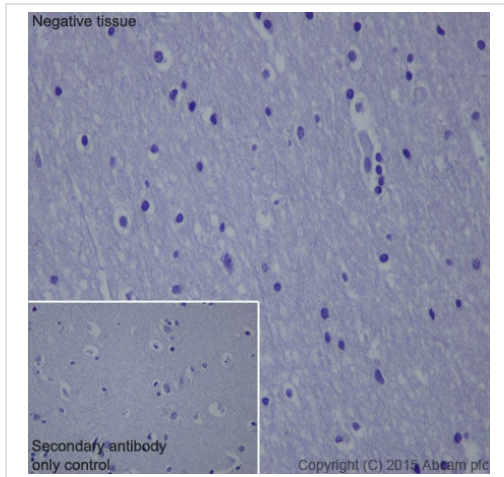
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

Immunohistochemical analysis of paraffin embedded Human heart tissue labeling HSPB7 with ab150390 at a 1/50 dilution.

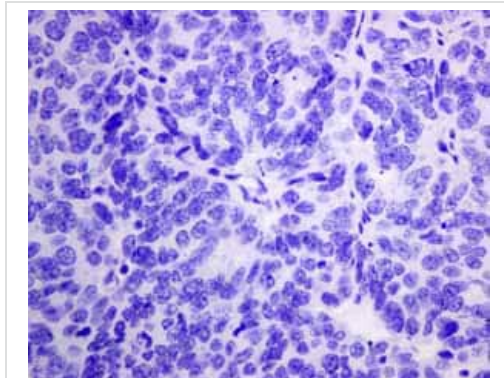
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

ab150390 staining HSPB7 in human cerebral cortex tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/50. A goat anti-rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody at a dilution of 1/500.

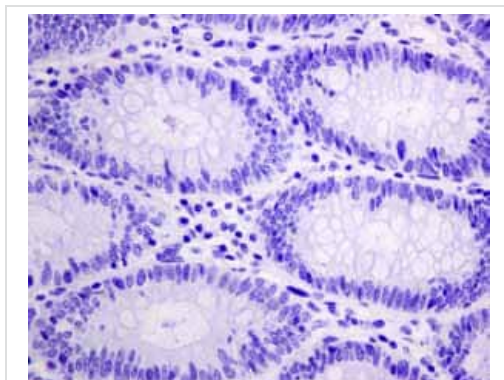
**Negative control 1:** PBS in place of primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

Immunohistochemical analysis of paraffin embedded Human Ovarian carcinoma tissue using ab150390 showing -ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

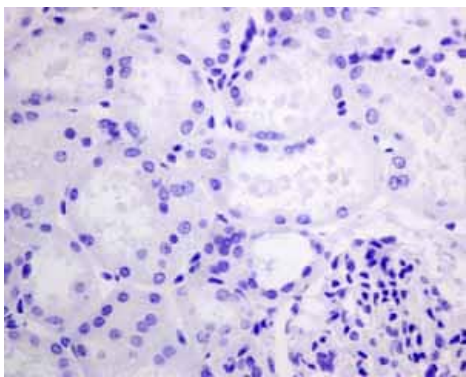


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

Immunohistochemical analysis of paraffin embedded normal Human colon tissue using ab150390 showing -ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.





Immunohistochemical analysis of paraffin embedded normal Human kidney tissue using ab150390 showing -ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPB7 antibody [EPR10106(B)] (ab150390)

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-HSPB7 antibody [EPR10106(B)] (ab150390)

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