


### Anti-CSRP3 antibody [EPR12615(B)] ab172952

リコンビナント **RabMAb**

画像数 9

#### 製品の概要

製品名	Anti-CSRP3 antibody [EPR12615(B)]
製品の詳細	Rabbit monoclonal [EPR12615(B)] to CSRP3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, IP <b>適用なし:</b> ICC/IF
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Cow 
免疫原	Synthetic peptide within Human CSRP3 aa 50-150 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">P50461</a>
ポジティブ・コントロール	Fetal heart, human skeletal muscle, fetal muscle lysates, human heart tissue, human uterus tissue
特記事項	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> .

#### 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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR12615(B)
アイソタイプ	IgG

## 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ab172952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確認ください。

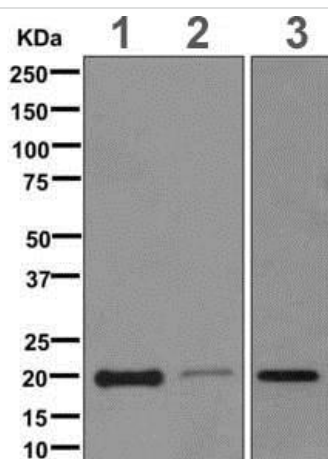
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 21 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
IP		1/10 - 1/100.

追加情報 Is unsuitable for ICC/IF.

## ターゲット情報

機能	Positive regulator of myogenesis. Plays a crucial and specific role in the organization of cytosolic structures in cardiomyocytes. Could play a role in mechanical stretch sensing. May be a scaffold protein that promotes the assembly of interacting proteins at Z-line structures. It is essential for calcineurin anchorage to the Z line. Required for stress-induced calcineurin-NFAT activation.
組織特異性	Cardiac and slow-twitch skeletal muscles.
関連疾患	Defects in CSRP3 are the cause of cardiomyopathy dilated type 1M (CMD1M) [MIM:607482]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death. Defects in CSRP3 are the cause of cardiomyopathy familial hypertrophic type 12 (CMH12) [MIM:612124]. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.
配列類似性	Contains 2 LIM zinc-binding domains.
細胞内局在	Nucleus. Cytoplasm. Cytoplasm > cytoskeleton. Cytoplasm > myofibril > sarcomere > Z line. Mainly cytoplasmic (By similarity). In the nucleus it associates with the actin cytoskeleton (Potential). In the Z line, found associated with GLRX3.

## 画像



Western blot - Anti-CSRP3 antibody [EPR12615(B)] (ab172952)

**All lanes** : Anti-CSRP3 antibody [EPR12615(B)] (ab172952) at 1/1000 dilution

**Lane 1** : Fetal heart

**Lane 2** : Human skeletal muscle

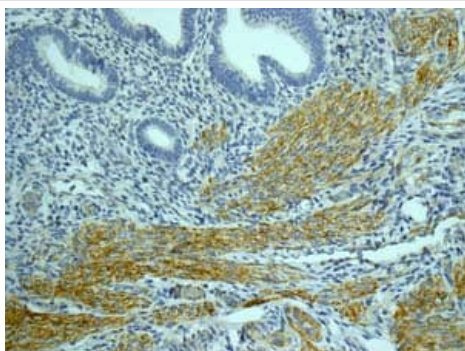
**Lane 3** : Fetal muscle

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : HRP labelled goat anti-rabbit antibody at 1/2000 dilution

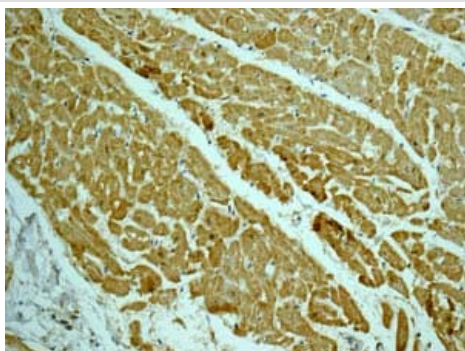
**Predicted band size:** 21 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSRP3 antibody [EPR12615(B)] (ab172952)

Immunohistochemical analysis of paraffin-embedded Human uterus tissue labeling CSRP3 with ab172952 at 1/1000 dilution.

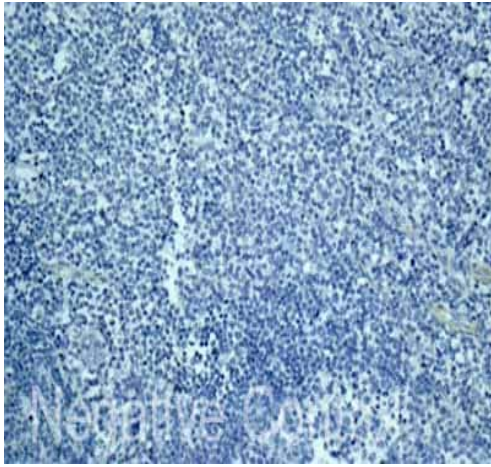
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSRP3 antibody [EPR12615(B)] (ab172952)

Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling CSRP3 with **ab172592** at 1/1000 dilution.

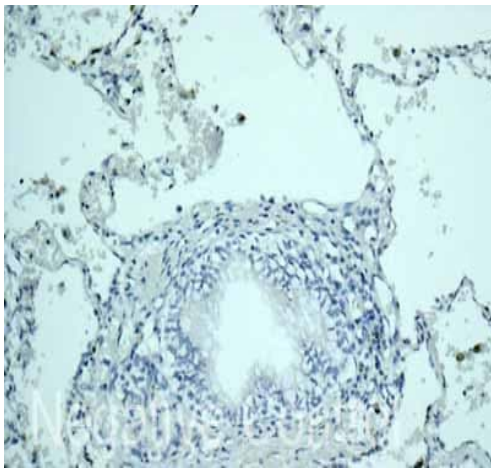
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSRP3 antibody [EPR12615(B)] (ab172952)

ab172952 showing -ve staining in Human normal tonsil tissue.

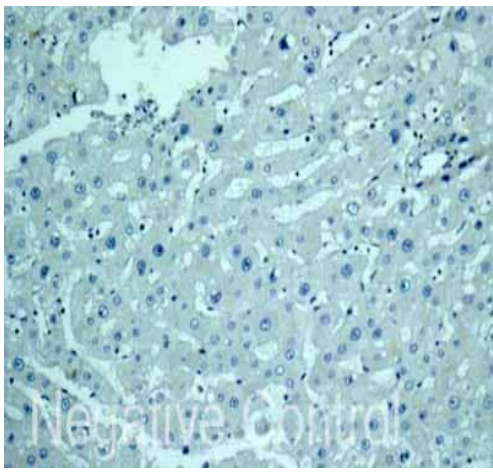
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSRP3 antibody [EPR12615(B)] (ab172952)

ab172952 showing -ve staining in Human normal lung tissue.

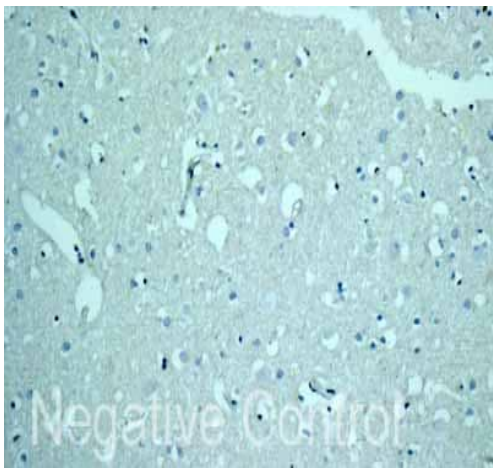
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSRP3 antibody  
[EPR12615(B)] (ab172952)

ab172952 showing -ve staining in Human normal liver tissue.

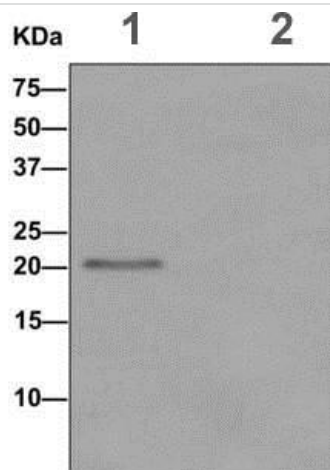
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSRP3 antibody  
[EPR12615(B)] (ab172952)

ab172952 showing -ve staining in Human normal brain tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Western blot analysis on immunoprecipitation pellet from (1) fetal heart lysate or (2) 1X PBS (negative control) using ab172952, and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Immunoprecipitation - Anti-CSRP3 antibody  
[EPR12615(B)] (ab172952)

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specificity



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Anti-CSRP3 antibody [EPR12615(B)] (ab172952)

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