

# Anti-Natriuretic peptides A antibody [EPR22089-283] ab225844

**重组** RabMAb

**9 References**   **8 图像**

### 概述

产品名称	Anti-Natriuretic多肽A抗体[EPR22089-283]
描述	兔单克隆抗体[EPR22089-283] to Natriuretic多肽A
宿主	Rabbit
经测试应用	<b>适用于:</b> IHC-Fr, IHC-P, IP, WB
种属反应性	<b>与反应:</b> Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse and rat heart tissue lysate. IHC-P: Mouse heart and heart atrium tissues; Rat heart atrium tissue. IHC-Fr: Mouse and rat heart tissues. IP: Mouse heart tissue lysate.
常规说明	<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>

### 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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR22089-283
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab225844于以下的经测试应用

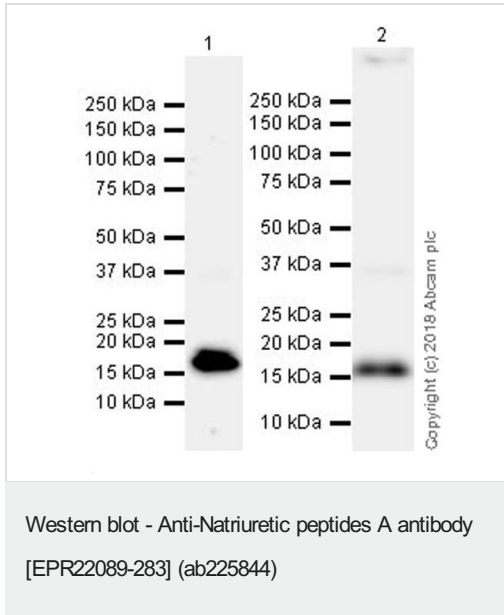
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		1/100. Perform heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/30.
WB		1/1000. Detects a band of approximately 17 kDa (predicted molecular weight: 16 kDa).

靶标

功能	Hormone playing a key role in cardiovascular homeostasis through regulation of natriuresis, diuresis, and vasodilation. Also plays a role in female pregnancy by promoting trophoblast invasion and spiral artery remodeling in uterus. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3.
疾病相关	Atrial standstill 2 Atrial fibrillation, familial, 6
序列相似性	Belongs to the natriuretic peptide family.
翻译后修饰	Cleaved by CORIN upon secretion to produce the functional hormone. Atrial natriuretic factor: Cleaved by MME. The cleavage initiates degradation of the factor and thereby regulate its activity.
细胞定位	Secreted.

图片



**All lanes :** Anti-Natriuretic peptides A antibody [EPR22089-283] (ab225844) at 1/1000 dilution

**Lane 1 :** Mouse heart tissue lysate

**Lane 2 :** Rat heart tissue lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

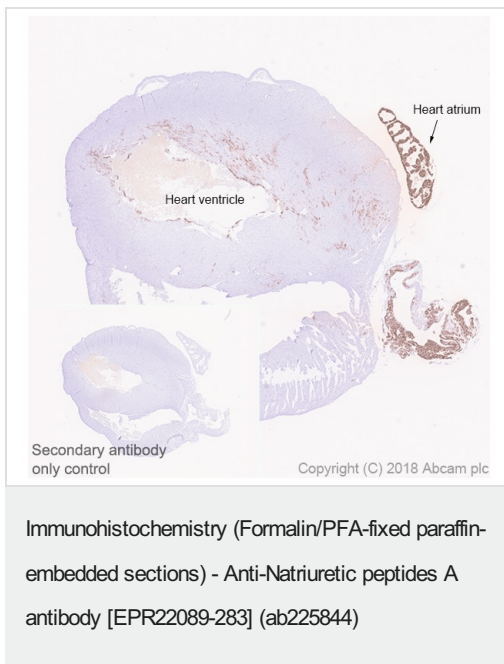
**Predicted band size:** 16 kDa

**Observed band size:** 17 kDa

**Exposure time :** Lane 1: 3 minutes; Lane 2: 8 seconds.

Blocking/Dilution buffer: 5% NFDM/TBST.

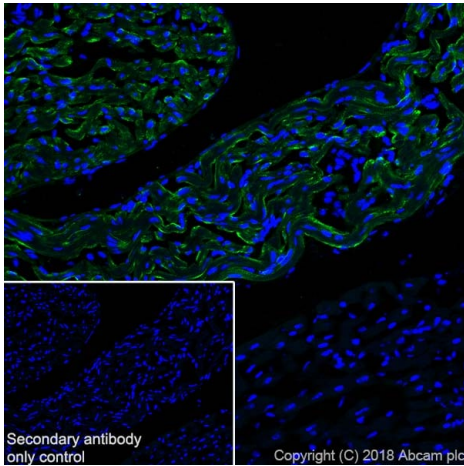
The molecular mass observed is consistent with what has been described in the literature (PMID: 16291870).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue labeling Natriuretic peptides A with ab225844 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Strong cytoplasmic staining mainly in the atria and at lower levels in ventricle of mouse heart (PMID: 2942710; PMID:25532015; PMID: 1824903). Counterstained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

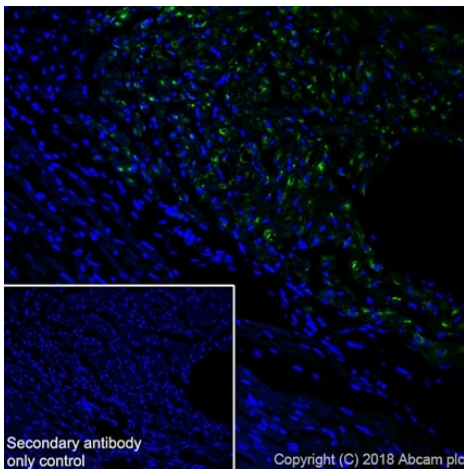


Immunohistochemistry (Frozen sections) - Anti-Natriuretic peptides A antibody [EPR22089-283] (ab225844)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse heart tissue labeling Natriuretic peptides A with ab225844 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Cytoplasmic staining in cardiac muscle of mouse atrium is observed.

The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

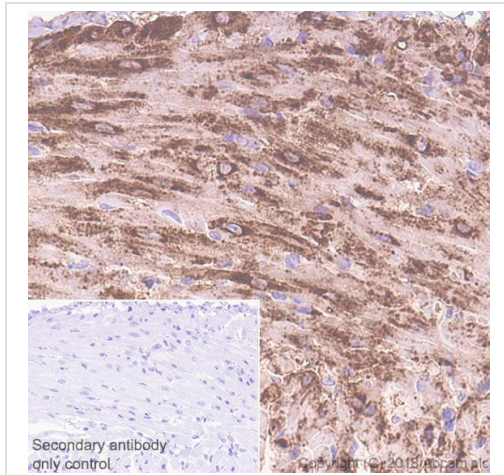


Immunohistochemistry (Frozen sections) - Anti-Natriuretic peptides A antibody [EPR22089-283] (ab225844)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen rat heart tissue labeling Natriuretic peptides A with ab225844 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Cytoplasmic staining in cardiac muscle of rat atrium is observed.

The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

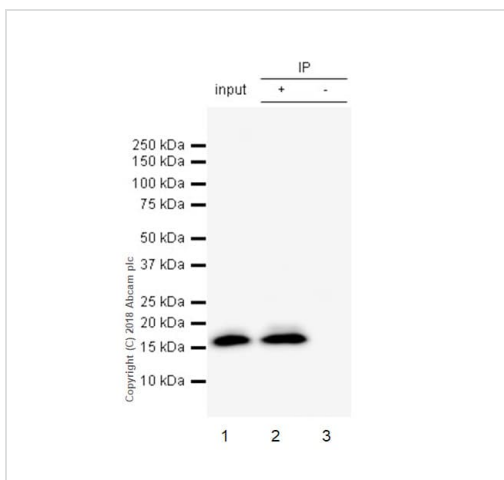


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Natriuretic peptides A antibody [EPR22089-283] (ab225844)

Immunohistochemical analysis of paraffin-embedded mouse heart atrium tissue labeling Natriuretic peptides A with ab225844 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in cardiac muscle of mouse atrium (PMID: 2942710; PMID:25532015; PMID: 1824903). Counterstained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Natriuretic peptides A antibody [EPR22089-283] (ab225844)

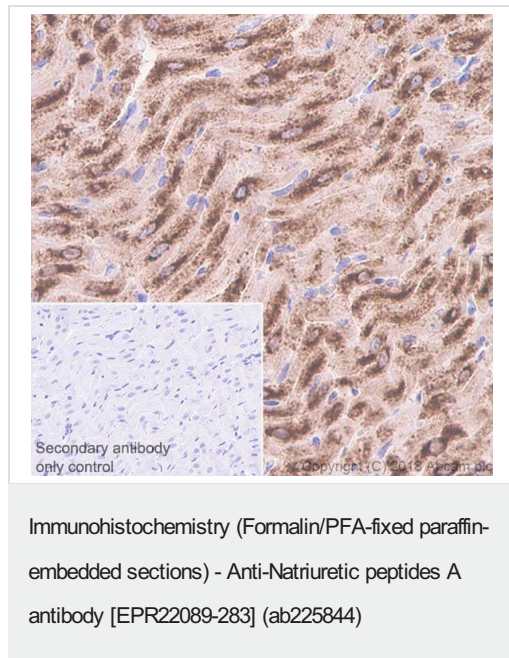
Natriuretic peptides A was immunoprecipitated from 0.35 mg Mouse heart tissue lysate with ab225844 at 1/1000 dilution. Western blot was performed from the immunoprecipitate using ab225844 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used for detection at 1/1000 dilution.

**Lane 1:** Mouse heart lysate 10 µg (Input).

**Lane 2:** ab225844 IP in Mouse heart tissue lysate (+).

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab225844 in Mouse heart lysate (-).

Blocking and dilution buffer and concentration: 5% NFDm/TBST  
Exposure time: 10 seconds






Immunohistochemical analysis of paraffin-embedded rat heart atrium tissue labeling Natriuretic peptides A with ab225844 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in cardiac muscle of rat atrium (PMID: 2942710; PMID:25532015; PMID: 1824903).

Counterstained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Natriuretic peptides A antibody [EPR22089-283] (ab225844)

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

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