

Anti-Oxytocin-neurophysin 1 antibody [EPR20973] ab212193

重组 RabMAb

★★★★★ 1 Abreviews 9 References 6 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-Oxytocin-neurophysin 1 抗体[EPR20973] |
| 描述 | 兔单克隆抗体[EPR20973] to Oxytocin-neurophysin 1 |
| 宿主 | Rabbit |
| 特异性 | Specific expression in pituitary tissue in WB and posterior lobe in IHC. |
| 经测试应用 | 适用于: WB, IHC-P, IHC-Fr |
| 种属反应性 | 与反应: Mouse, Rat |
| 免疫原 | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | WB: Mouse and rat pituitary tissue lysates. IHC-P: Mouse and rat hypothalamus tissues. IHC-Fr: Mouse and rat brain (Paraventricular nucleus) tissues. |
| 常规说明 | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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: 0.05% BSA, 40% Glycerol, PBS</p> |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | EPR20973 |

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab212193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 |
|--------|------|---|
| WB | | 1/1000. Detects a band of approximately 12 kDa (predicted molecular weight: 12 kDa). |
| IHC-P | | 1/8000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| IHC-Fr | | 1/500. Perform heat mediated antigen retrieval with sodium citrate buffer pH 6.0 before commencing with IHC staining protocol. |

靶标

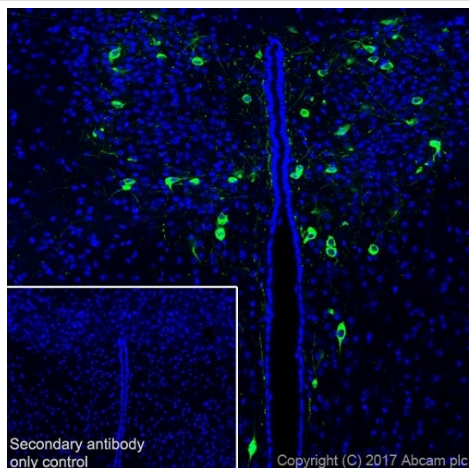
相关性

Neurophysin 1 specifically binds oxytocin. Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. Oxytocin contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions.

细胞定位

Secreted

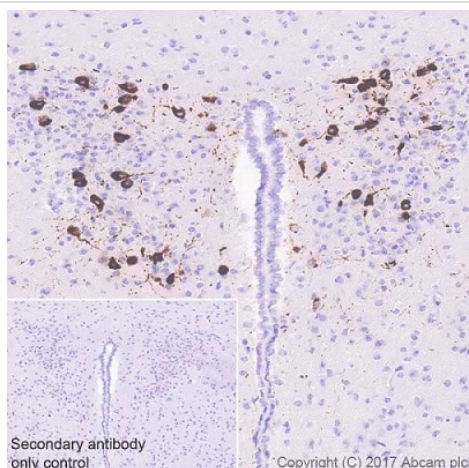
图片



Immunohistochemistry (Frozen sections) - Anti-Oxytocin-neurophysin 1 antibody [EPR20973] (ab212193)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized mouse brain (paraventricular nucleus) tissue labeling Oxytocin-neurophysin 1 with ab212193 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 dilution (green). Cytoplasmic staining on neurons located at the paraventricular nucleus (PVN) on mouse brain tissue section (PMID:24464043). The nuclear counterstain 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](#)) at 1/1000 dilution.

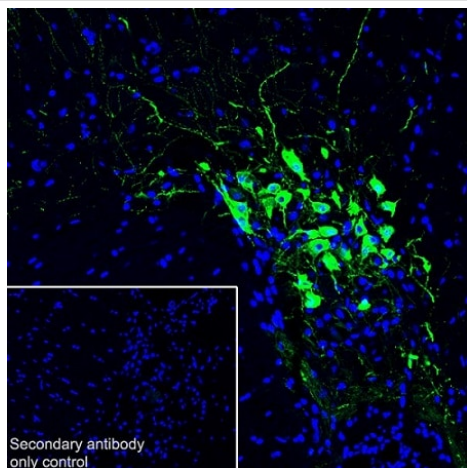


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oxytocin-neurophysin 1 antibody [EPR20973] (ab212193)

Immunohistochemical analysis of paraffin-embedded mouse hypothalamus tissue labeling Oxytocin-neurophysin 1 with ab212193 at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on the neurons of mouse paraventricular nucleus (PMID: 24464043). Counter stained 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.

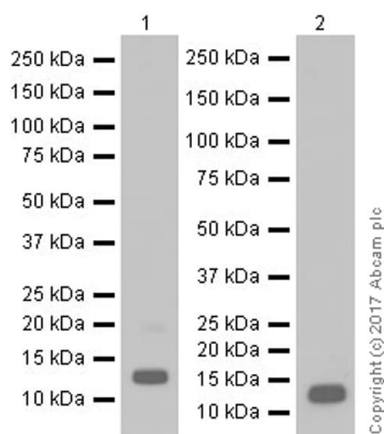
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Frozen sections) - Anti-Oxytocin-neurophysin 1 antibody [EPR20973] (ab212193)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized rat brain (paraventricular nucleus) tissue labeling Oxytocin-neurophysin 1 with ab212193 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 dilution (green). Cytoplasmic staining on neurons located at the paraventricular nucleus (PVN) on rat brain tissue section (PMID:24464043). The nuclear counterstain 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](#)) at 1/1000 dilution.



Western blot - Anti-Oxytocin-neurophysin 1 antibody [EPR20973] (ab212193)

All lanes : Anti-Oxytocin-neurophysin 1 antibody [EPR20973] (ab212193) at 1/1000 dilution

Lane 1 : Mouse pituitary tissue lysate

Lane 2 : Rat pituitary tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

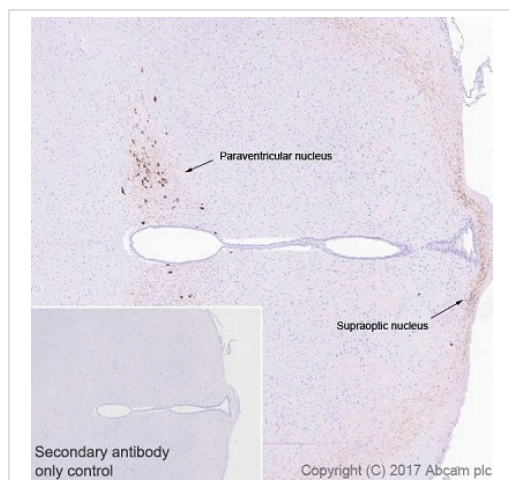
Developed using the ECL technique.

Predicted band size: 12 kDa

Observed band size: 12 kDa

Exposure times: Lane 1: 3 seconds; Lane 2: 1 second.

Blocking/Dilution buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oxytocin-neurophysin 1 antibody [EPR20973] (ab212193)

Immunohistochemical analysis of paraffin-embedded rat hypothalamus tissue labeling Oxytocin-neurophysin 1 with ab212193 at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on the neurons of rat paraventricular nucleus and supraoptic nucleus (PMID: 24464043). Counter stained 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.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

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

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

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