

Anti-Neuropeptide Y antibody [EPR21877] ab221145

重组 RabMAb

★★★★☆ **2 Abreviews** 8 图像

概述

产品名称	Anti-Neuropeptide Y抗体[EPR21877]
描述	兔单克隆抗体[EPR21877] to Neuropeptide Y
宿主	Rabbit
经测试应用	适用于: mIHC, IHC-P, IHC-Fr
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human pheochromocytoma; Mouse cerebrum and adrenal gland; Rat adrenal gland tissues. IHC-Fr: Rat and mouse cerebrum tissue.
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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR21877
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab221145于以下的经测试应用

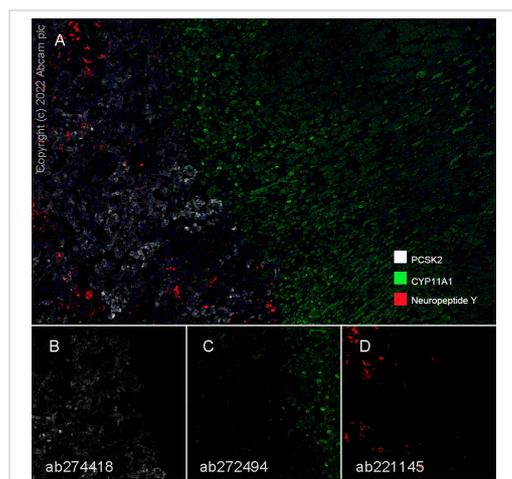
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
mIHC		1/2000.
IHC-P		1/2000. 1:2000 dilution recommended for human, mouse and rat species. 1:10000 dilution recommended for mouse adrenal gland tissue. Perform antigen retrieval with universal HIER antigen retrieval reagent (10X) (ab208572).
IHC-Fr		1/100 - 1/500.

靶标

功能	NPY is implicated in the control of feeding and in secretion of gonadotrophin-release hormone.
组织特异性	One of the most abundant peptides in the nervous system. Also found in some chromaffin cells of the adrenal medulla.
序列相似性	Belongs to the NPY family.
细胞定位	Secreted.

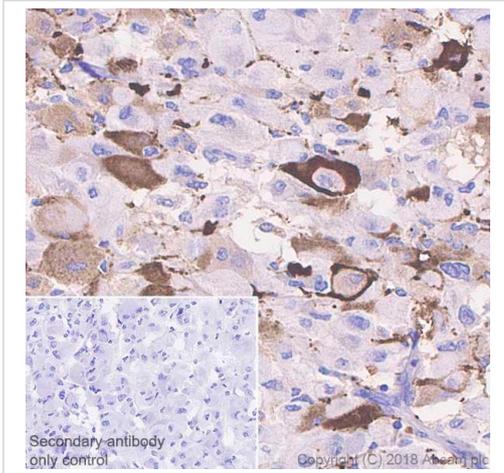
图片



Multiplex immunohistochemistry - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Fluorescence multiplex immunohistochemical analysis of human adrenal gland (formalin-fixed paraffin-embedded section). Panel A shows merged staining of anti-PCSK2 stained on adrenal medulla ([ab274418](#); gray; Opal™690) at 1:2000 (0.263 µg/ml) [Panel B], anti-CYP11A1 stained on adrenal cortex ([ab272494](#); green; Opal™520) at 1:10000 (0.053 µg/ml) [Panel C], and anti-Neuropeptide Y stained on chromaffin cells ([ab221145](#); red; Opal™570) at 1:2000 (0.279 µg/ml) [Panel D] on human adrenal gland. DAPI was used as a nuclear counter stain. Followed by Opal Polymer HRP Ms + Rb secondary antibody. The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope. The section was incubated in three rounds of staining: in the order of [ab274418](#), [ab272494](#), and [ab221145](#) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system. Heat mediated antigen retrieval with Tris-EDTA buffer (pH

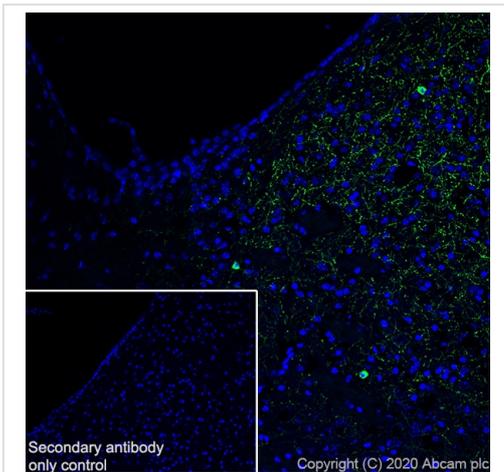
9.0, epitope retrieval solution2) for 20 mins was used.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Immunohistochemical analysis of paraffin-embedded human pheochromocytoma tissue labeling Neuropeptide Y with ab221145 at 1/2000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) ready to use. Cytoplasmic staining in human pheochromocytoma (PMID: 15623622) is observed. Counterstained with hematoxylin. Universal HIER antigen retrieval reagent (10X) (**ab208572**) was used for the antigen retrieval.

Secondary antibody only control: used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

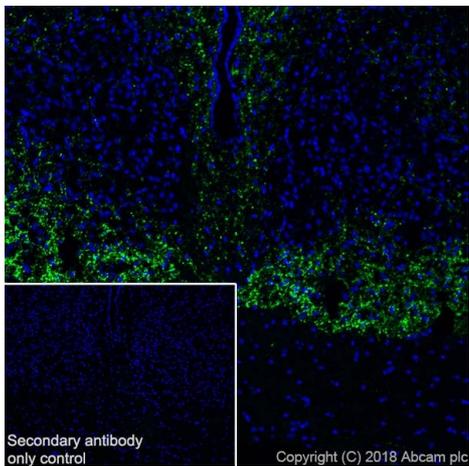


Immunohistochemistry (Frozen sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum tissue labeling Neuropeptide Y with ab221145 at 1/500 dilution followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) at 1/1000 (2 ug/ml) dilution (Green). Positive staining on mouse cerebrum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) at 1000 (2 ug/ml) dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

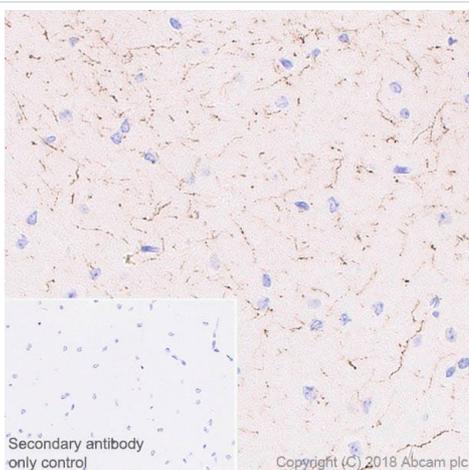


Immunohistochemistry (Frozen sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized rat cerebrum tissue labeling Neuropeptide Y with ab221145 at 1/100 dilution, followed by AlexaFluor[®]488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution. Positive staining in hypothalamic paraventricular nucleus of rat cerebrum (PMID: 19357287) is observed. Counterstained with DAPI (Nuclear).

Perform heat mediated antigen retrieval with sodium citrate buffer (10 mM citrate pH 6.0 + 0.05% Tween-20).

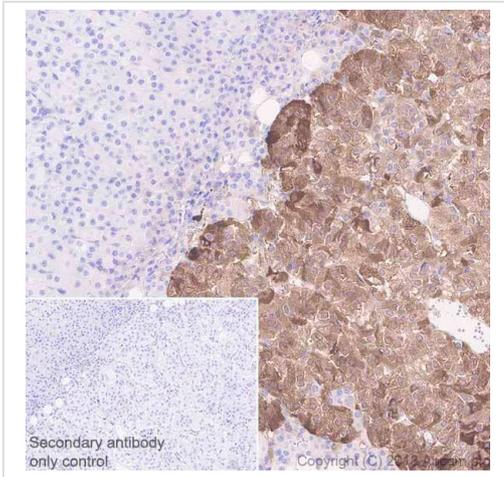
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor[®]488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling Neuropeptide Y with ab221145 at 1/2000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) ready to use. Positive staining on mouse cerebrum (PMID: 26444585) is observed. Counterstained with hematoxylin. Universal HIER antigen retrieval reagent (10X) ([ab208572](#)) was used for the antigen retrieval.

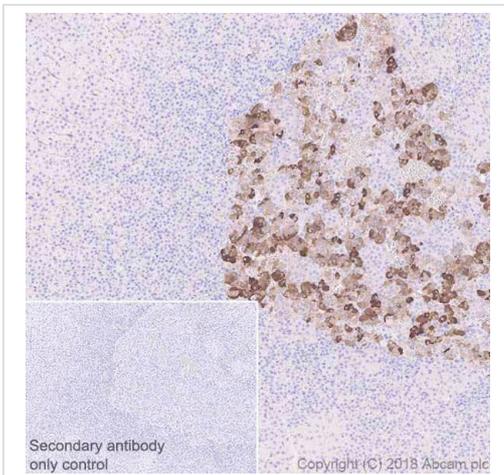
Secondary antibody only control: used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue labeling Neuropeptide Y with ab221145 at 1/1000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) ready to use. Positive staining on chromaffin cells of mouse adrenal gland medulla (PMID: 26444585) is observed. Counterstained with hematoxylin. Universal HIER antigen retrieval reagent (10X) ([ab208572](#)) was used for the antigen retrieval.

Secondary antibody only control: used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue labeling Neuropeptide Y with ab221145 at 1/2000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) ready to use. Cytoplasmic staining in chromaffin cells of rat adrenal gland medulla (PMID: 15623622) is observed. Counterstained with hematoxylin. Universal HIER antigen retrieval reagent (10X) ([ab208572](#)) was used for the antigen retrieval.

Secondary antibody only control: used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Why choose a recombinant antibody?



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Success from the first experiment
Confirmed specificity



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Anti-Neuropeptide Y antibody [EPR21877]
(ab221145)

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