

Anti-Neuropeptide Y antibody [EPR21877] ab221145

リコンビナント RabMAb

★★★★☆ **2 Abreviews** 画像数 8

製品の概要

製品名	Anti-Neuropeptide Y antibody [EPR21877]
製品の詳細	Rabbit monoclonal [EPR21877] to Neuropeptide Y
由来種	Rabbit
アプリケーション	適用あり: mIHC, IHC-P, IHC-Fr
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human pheochromocytoma; Mouse cerebrum and adrenal gland; Rat adrenal gland tissues. IHC-Fr: Rat and mouse cerebrum tissue.
特記事項	<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>

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: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR21877
アイソタイプ	IgG

アプリケーション

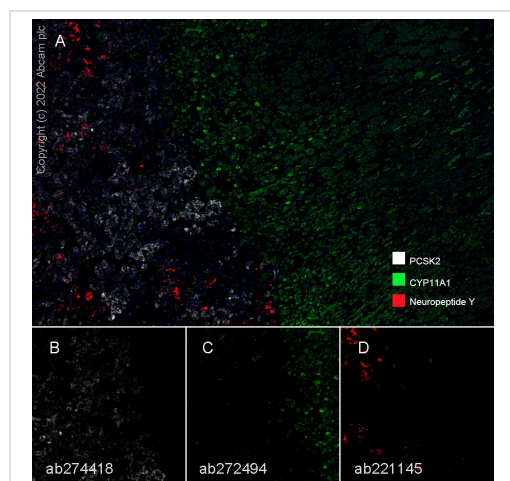
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab221145の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	NPY is implicated in the control of feeding and in secretion of gonadotrophin-release hormone.
組織特異性	One of the most abundant peptides in the nervous system. Also found in some chromaffin cells of the adrenal medulla.
配列類似性	Belongs to the NPY family.
細胞内局在	Secreted.

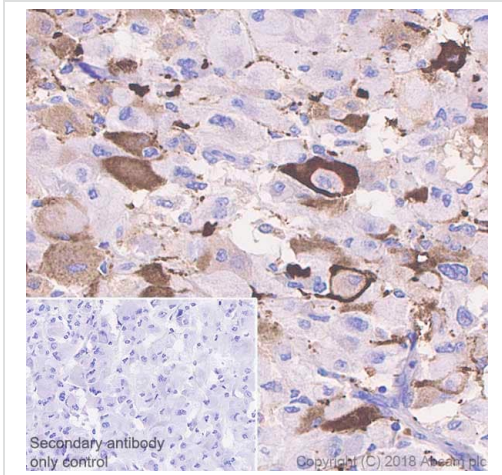
画像



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

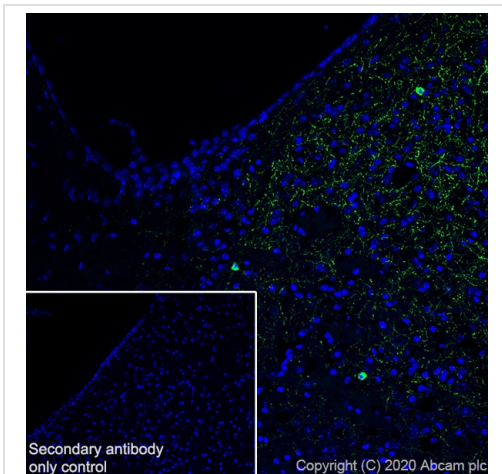
9.0, epitope retrieval solution2) for 20 mins was used.



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**).

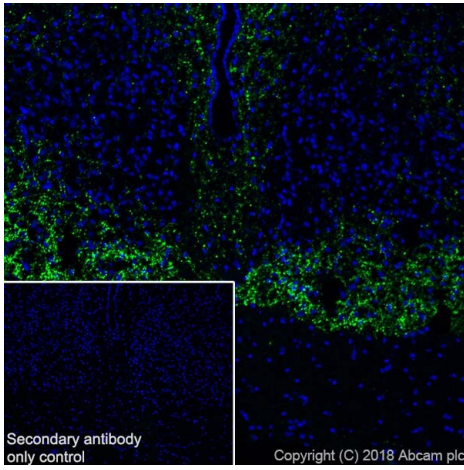


Immunohistochemistry (Frozen sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

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).

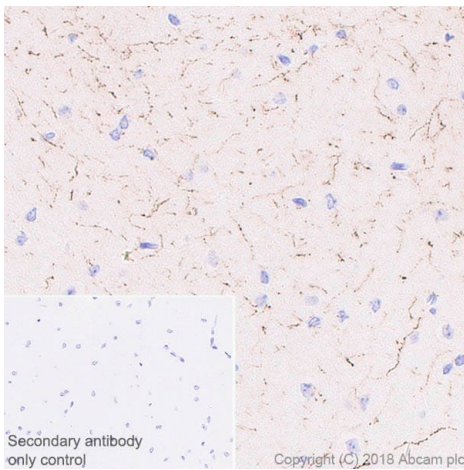


Immunohistochemistry (Frozen sections) - Anti-Neuropeptide Y antibody [EPR21877] (ab221145)

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).

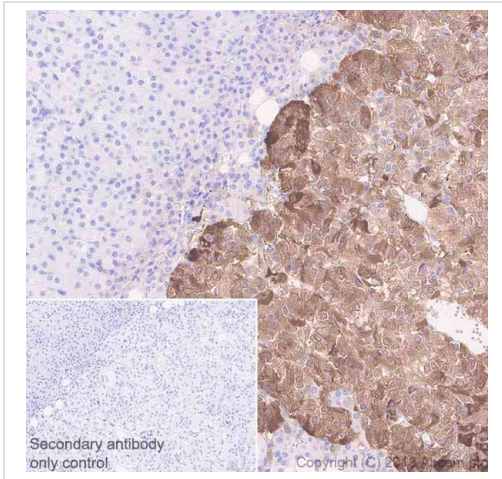
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor®488 Goat anti-Rabbit secondary ([ab150077](#)) at 1/1000 dilution.



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.

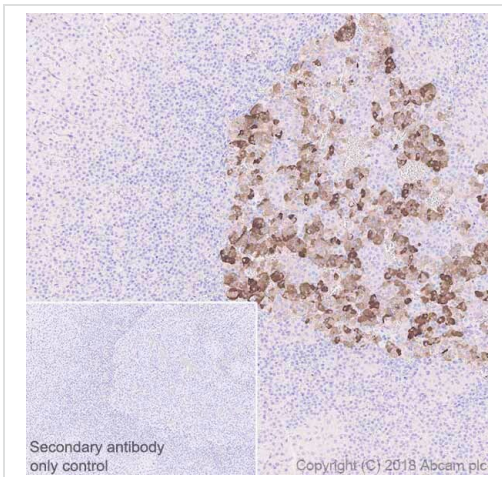
Secondary antibody only control: used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).



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](#)).

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Anti-Neuropeptide Y antibody [EPR21877]
(ab221145)

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