

Anti-Orexin A antibody [EPR22803-259] ab255294

重组 RabMAb

1 References [7 图像](#)

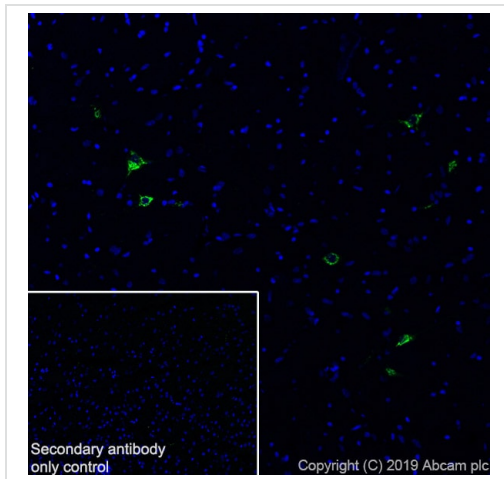
概述

产品名称	Anti-Orexin A抗体[EPR22803-259]
描述	兔单克隆抗体[EPR22803-259] to Orexin A
宿主	Rabbit
经测试应用	适用于: Dot blot, IHC-P, IHC-Fr, ELISA 不适用于: Flow Cyt, ICC/IF or IP
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	Western blot: His-tagged mouse Orexin A recombinant protein (aa33-130). Dot blot: Orexin A peptide (aa33-65). IHC-P: Mouse and rat hypothalamus tissue. IHC-Fr: Mouse and rat hypothalamus tissue.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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	EPR22803-259

同种型	IgG	
应用		
The Abpromise guarantee Abpromise™ 承诺保证使用ab255294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
Dot blot		1/1000.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/500. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
ELISA		Use a concentration of 1 µg/ml.
应用说明	Is unsuitable for Flow Cyt,ICC/IF or IP.	
靶标		
相关性	Orexin A (hypocretin 1) a 33 amino acid peptide and orexin B (hypocretin 2), a 28 amino acid peptide, are both derived from a common 130 amino acid precursor, prepro orexin. Orexin A and Orexin B stimulate food consumption when administered intracerebroventricularly to rats. Orexin gene expression in the brain is highly restricted to distinct populations of neurons located in specific hypothalamic regions, including the lateral hypothalamic area (LHA), a region implicated in feeding behaviour. Orexin A and orexin B bind to and activate two closely related G protein coupled receptors (GPCRs), termed Orexin 1 (OX1) and Orexin 2 (OX2) receptors. Dysfunction of the orexin peptide system has been linked to narcolepsy.	
细胞定位	Rough endoplasmic reticulum. Cytoplasmic vesicle. Cell junction, synapse. Note: Associated with perikaryal rough endoplasmic reticulum as well as cytoplasmic large granular vesicles at synapses.	
图片		

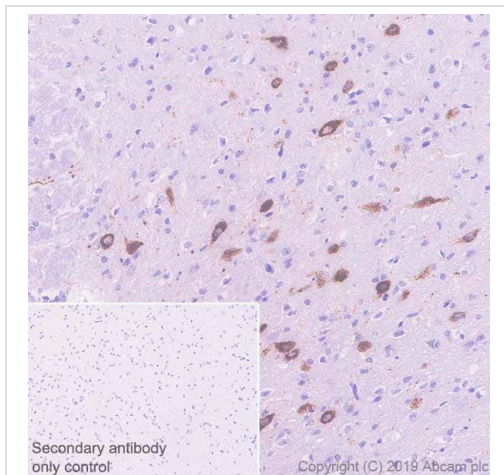


Immunohistochemistry (Frozen sections) - Anti-Orexin A antibody [EPR22803-259] (ab255294)

Immunohistochemical analysis of frozen section of 4% PFA-fixed, 0.2 % Triton X-100 permeabilized rat hypothalamus tissue labeling Orexin A with ab255294 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 dilution (green). Positive staining on hypothalamic neurons (PMID: 9822755) is observed. 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.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Orexin A antibody [EPR22803-259] (ab255294)

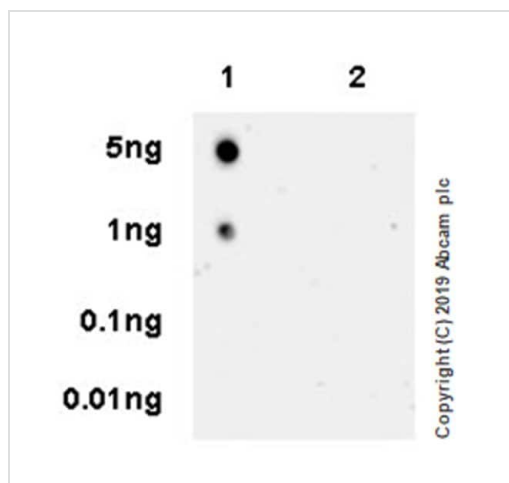
Immunohistochemical analysis of paraffin-embedded rat hypothalamus tissue labeling Orexin A with ab255294 at 1/1000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Cytoplasmic staining in rat hypothalamus (PMID: 9419374) is observed. Counterstained with hematoxylin.

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

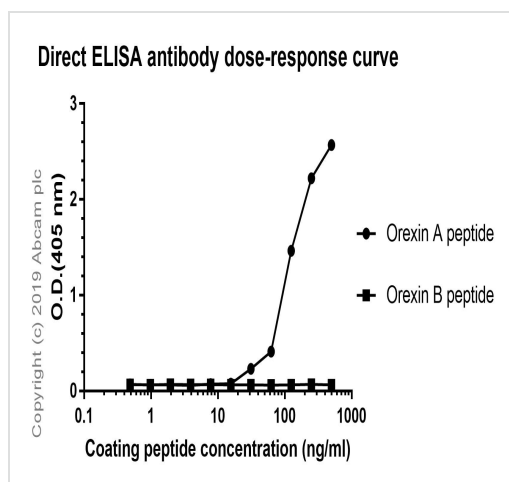
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

The section was incubated with ab255294 for 15 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

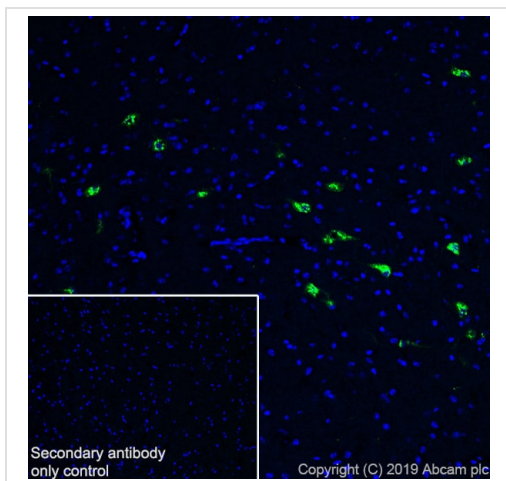


Dot Blot - Anti-Orexin A antibody [EPR22803-259]
(ab255294)



ELISA - Anti-Orexin A antibody [EPR22803-259]
(ab255294)

Direct ELISA antigen dose-response curve using ab255294 at 1 µg/mL. Antigen (mouse Orexin A peptide) concentration of 0.488-500 ng/mL. **ab97048** Goat Anti-Rabbit IgG H&L (Alkaline Phosphatase) at 1/5000 was used as the secondary antibody.

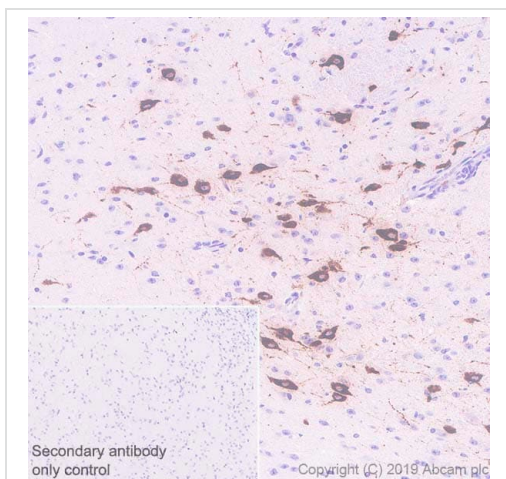


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The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

Why choose a recombinant antibody?



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Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Orexin A antibody [EPR22803-259] (ab255294)

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