

# Anti-Kappa Opioid Receptor antibody [EPR18881] ab183825

**重组** RabMAb

**6 References**   **8 图像**

### 概述

产品名称	Anti-Kappa Opioid Receptor抗体[EPR18881]
描述	兔单克隆抗体[EPR18881] to Kappa Opioid Receptor
宿主	Rabbit
经测试应用	适用于: IP, IHC-P, WB
种属反应性	与反应: 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 brain lysates. IHC-P: Mouse and rat hippocampus tissues. IP: Mouse brain whole cell 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: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR18881
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab183825于以下的经测试应用

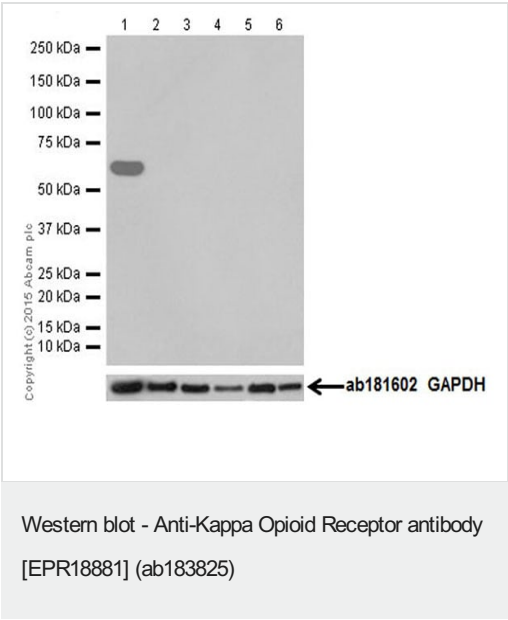
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		1/50.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 58 kDa (predicted molecular weight: 43 kDa).

靶标

功能	Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Receptor for dynorphins. May play a role in arousal and regulation of autonomic and neuroendocrine functions.
序列相似性	Belongs to the G-protein coupled receptor 1 family.
细胞定位	Cell membrane.

图片



**All lanes :** Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825) at 1/1000 dilution

- Lane 1 :** Mouse brain lysate
- Lane 2 :** Mouse heart lysate
- Lane 3 :** Mouse kidney lysate
- Lane 4 :** Mouse spleen lysate
- Lane 5 :** NIH/3T3 (Mouse embyro fibroblast cells) whole cell lysate
- Lane 6 :** Neuro-2a (Mouse neuroblastoma cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

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

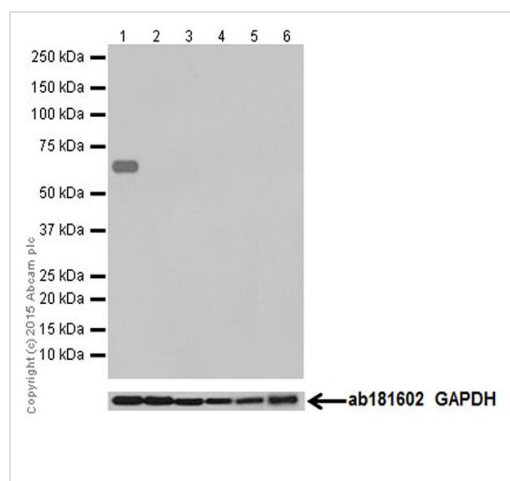
**Predicted band size:** 43 kDa

**Observed band size:** 58 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID:20574683).



Western blot - Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825)

**All lanes :** Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825) at 1/1000 dilution

**Lane 1 :** Rat brain lysate

**Lane 2 :** Rat heart lysate

**Lane 3 :** Rat kidney lysate

**Lane 4 :** Rat spleen lysate

**Lane 5 :** C6 (Rat glial tumor cells) whole cell lysate

**Lane 6 :** PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

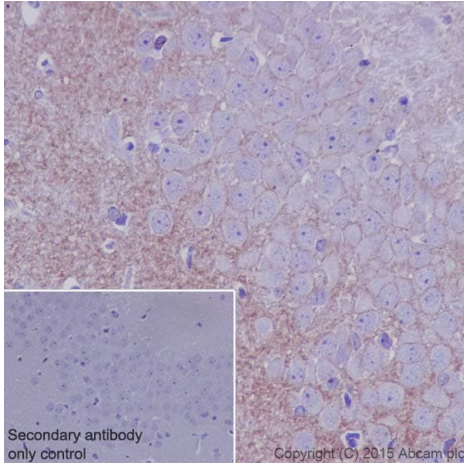
**Predicted band size:** 43 kDa

**Observed band size:** 58 kDa

**Exposure time:** 30 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID:20574683).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825)

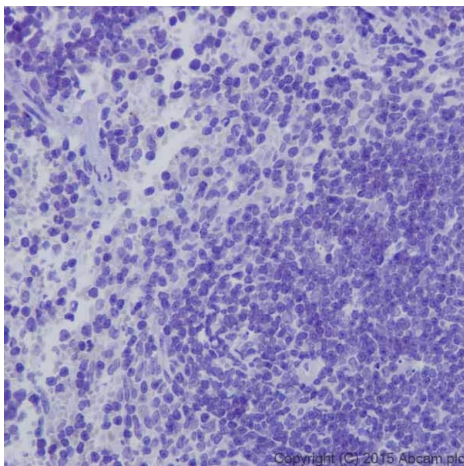
Immunohistochemical analysis of paraffin-embedded Mouse hippocampus tissue labeling Kappa Opioid Receptor with ab183825 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Mainly membrane staining on neuron cell of mouse hippocampus is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

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



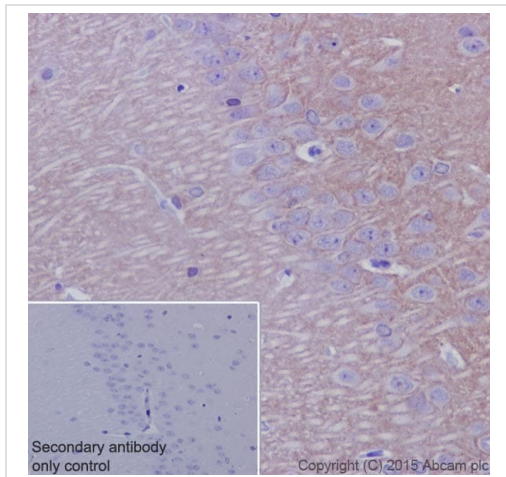
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825)

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling Kappa Opioid Receptor with ab183825 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Negative staining on mouse spleen.

Counter stained with Hematoxylin.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825)

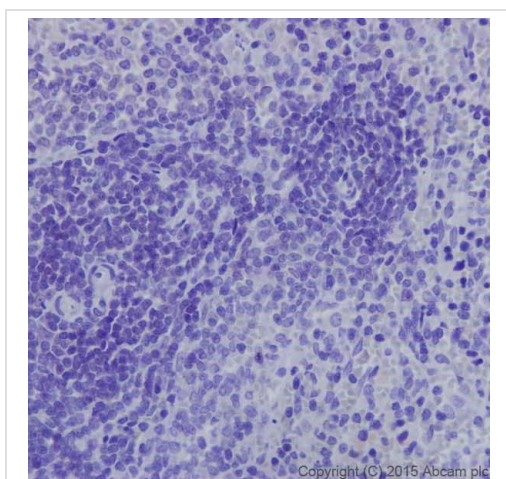
Immunohistochemical analysis of paraffin-embedded Rat hippocampus tissue labeling Kappa Opioid Receptor with ab183825 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Mainly membrane staining on neuron cells of rat hippocampus is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

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



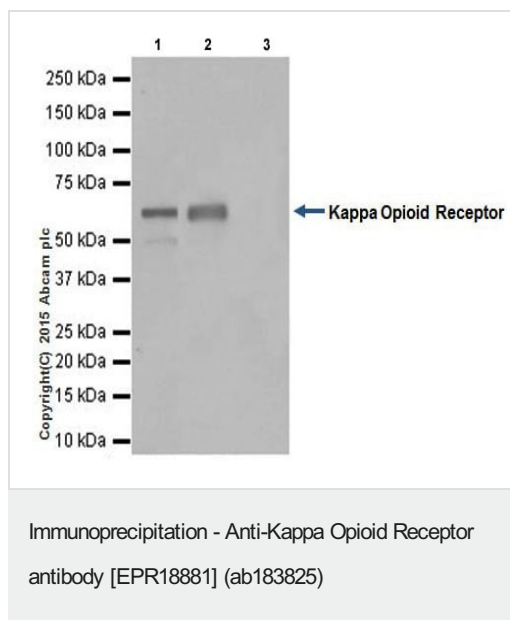
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kappa Opioid Receptor antibody [EPR18881] (ab183825)

Immunohistochemical analysis of paraffin-embedded Rat spleen tissue labeling Kappa Opioid Receptor with ab183825 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Negative staining on rat spleen.

Counter stained with Hematoxylin.

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



Kappa Opioid Receptor was immunoprecipitated from 1mg of Mouse brain whole cell lysate with ab183825 at 1/100 dilution.

Western blot was performed from the immunoprecipitate using ab183825 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Mouse brain whole cell lysate 10µg (Input).

Lane 2: ab183825 IP in Mouse brain whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab183825 in Mouse brain whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 5 seconds.

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-Kappa Opioid Receptor antibody [EPR18881] (ab183825)

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

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