abcam

Product datasheet

Anti-Delta Opioid Receptor antibody [EPR5029(2)] ab176324

重组 RabMAb

8 References 8 图像

概述

产品名称	Anti-Delta Opioid Receptor抗体[EPR5029(2)]
描述	兔单克隆抗体[EPR5029(2)] to Delta Opioid Receptor
宿主	Rabbit
经测试应用	**适用于:** WB, Flow Cyt (Intra), ICC/IF **不适用于:** IHC-P or IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human Delta Opioid Receptor aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: **P41143**
阳性对照	WB: Human brain, Mouse spleen, Rat spleen, and Mouse brain lysates ICC/IF: SH-SY5Y cells. Flow Cyt: U-87 MG cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5029(2)

同种型 IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab176324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 - 1/10000. Predicted molecular weight: 40 kDa.
Flow Cyt (Intra)		1/10 - 1/50. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100 - 1/500.

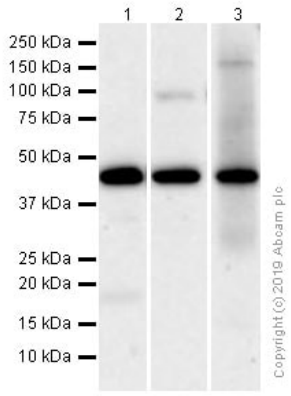
应用说明 Is unsuitable for IHC-P or IP.

靶标

相关性 Function: G-protein coupled receptor that functions as receptor for endogenous enkephalins and for a subset of other opioids. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain and in opiate-mediated analgesia. Plays a role in developing analgesic tolerance to morphine. Tissue specificity: Detected in oocytes (at protein level). Detected in brain cortex, hypothalamus, hippocampus and olfactory bulb. Detected in oocytes. Similarity: Belongs to the G-protein coupled receptor 1 family. PTM: N-glycosylated. Ubiquitinated. A basal ubiquitination seems not to be related to degradation. Ubiquitination is increased upon formation of OPRM1:OPRD1 oligomers leading to proteasomal degradation; the ubiquitination is diminished by RTP4.

细胞定位 Multi pass membrane protein

图片



Western blot - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

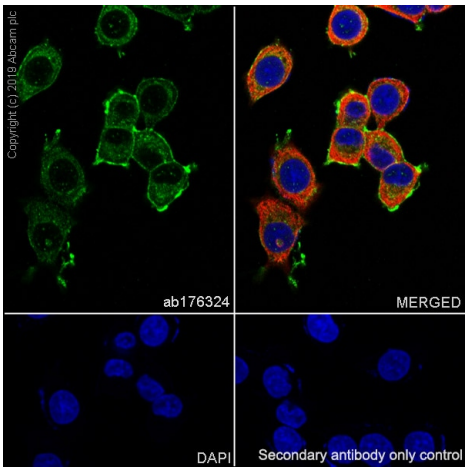
All lanes : Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324) at 1/2000 dilution (Purified)

Lane 1 : Human brain lysates
Lane 2 : Mouse spleen lysates
Lane 3 : Rat spleen lysates

Lysates/proteins at 20 µg per lane.

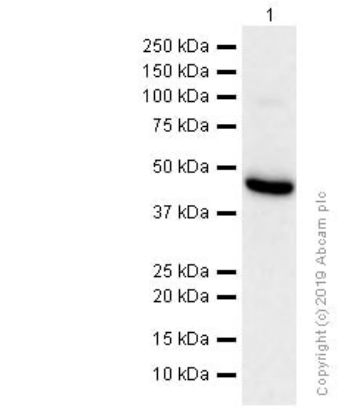
Secondary
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 40 kDa
Observed band size: 40 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

Immunocytochemistry/ Immunofluorescence analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labeling Delta Opioid Receptor with purified ab176324 at 1/100 dilution (10 µg/ml). Cells were fixed in 100% Methanol and permeabilized with None. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

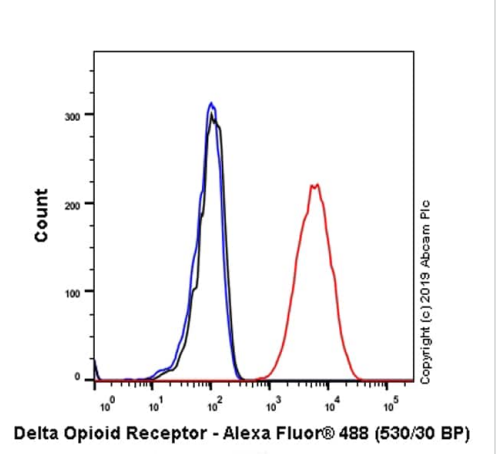
Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324) at 1/10000 dilution (Purified) + Mouse brain lysates at 20 µg

Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

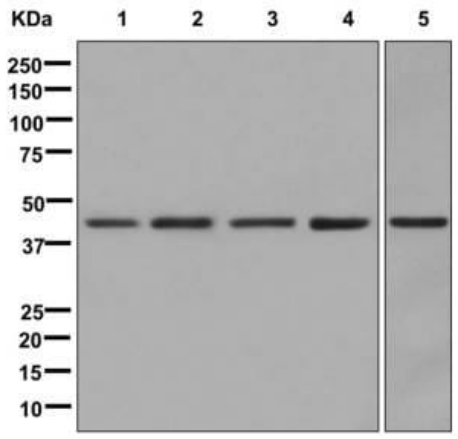
Predicted band size: 40 kDa

Observed band size: 40 kDa



Flow Cytometry (Intracellular) - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

Flow Cytometry analysis of U-87 MG (Human glioblastoma-astrocytoma epithelial cell) cells labeling Delta Opioid Receptor with purified ab176324 at 1/150 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



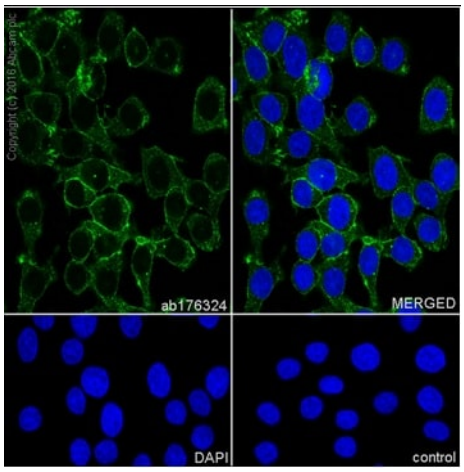
Western blot - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

All lanes : Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324) at 1/1000 dilution

Lane 1 : Human cerebellum lysate
Lane 2 : Human fetal brain lysate
Lane 3 : U87-MG lysate
Lane 4 : HUVEC lysate
Lane 5 : SH-SY5Y lysate

Lysates/proteins at 10 µg per lane.

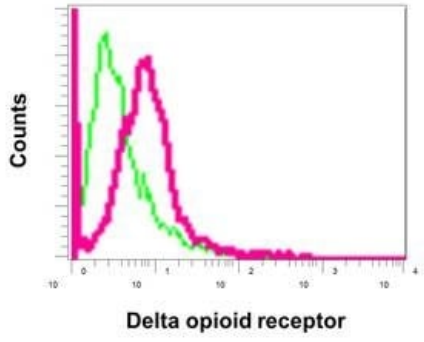
Predicted band size: 40 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

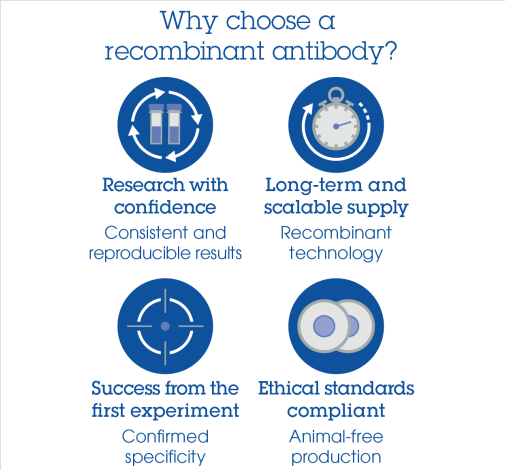
Immunocytochemistry/Immunofluorescence analysis of SH-SY5Y cells labelling Delta Opioid Receptor at 1/500. Cells were fixed with 100% Methanol. An **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary (1/1000) was used as the secondary antibody. Nuclei counterstained with DAPI (blue).

Control: primary antibody (1/500) and secondary antibody, **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary IgG (1/1000).



Flow Cytometry (Intracellular) - Anti-Delta Opioid Receptor antibody [EPR5029(2)] (ab176324)

Flow cytometric analysis of U87-MG cells labeling Delta Opioid Receptor using ab176324 at a 1/10 dilution (red) or a rabbit IgG control (green).



Anti-Delta Opioid Receptor antibody [EPR5029(2)]

(ab176324)

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