

Product datasheet

Anti-Delta Opioid Receptor antibody ab66317

1 References [画像数 2](#)

製品の概要

製品名	Anti-Delta Opioid Receptor antibody
製品の詳細	Rabbit polyclonal to Delta Opioid Receptor
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF, IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide: LVPSARAELQSSPLV , corresponding to amino acids 3-17 of mouse and rat Delta Opioid Receptor Run BLAST with Run BLAST with
ポジティブ・コントロール	Wb: human and rat brain lysates IF/ICC: SKNSH cell line.

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.
バッファー	Preservative: 0.02% Sodium Azide Constituents: PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab66317** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Detects a band of approximately 48 kDa (predicted molecular weight: 40 kDa).

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 µg/ml.
IP		Use at an assay dependent concentration.

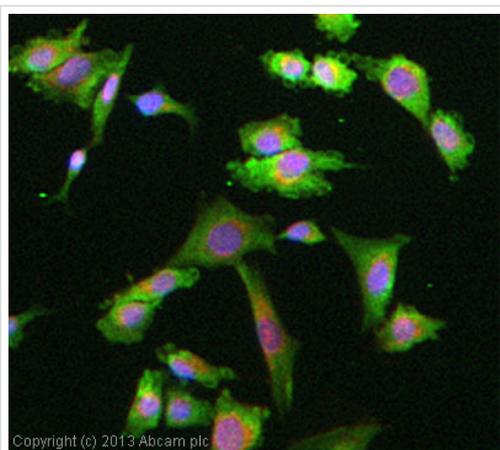
ターゲット情報

関連性

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.

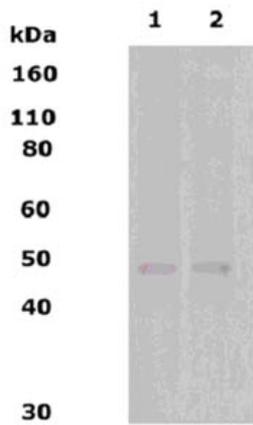
細胞内局在 Multi pass membrane protein

画像



Immunocytochemistry/ Immunofluorescence - Anti-Delta Opioid Receptor antibody (ab66317)

ICC/IF image of ab66317 stained SKNSH cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab66317, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM



Western blot - Anti-Delta Opioid Receptor antibody (ab66317)

All lanes : Anti-Delta Opioid Receptor antibody (ab66317) at 1/500 dilution

Lane 1 : human brain lysate

Lane 2 : rat brain lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 40 kDa

Observed band size: 48 kDa

The antibody may detect dimmers or trimers on a Western blot as heterodimerization and homodimerization is common with the opioid receptors; however the monomer should be the dominant Delta Opioid Receptor band at about 48 kDa

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