


Product datasheet

Anti-Mu Opioid Receptor antibody ab10275

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製品の概要

製品名	Anti-Mu Opioid Receptor antibody
製品の詳細	Rabbit polyclonal to Mu Opioid Receptor
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-Fr, ICC, IHC-FoFr
種交差性	交差種: Mouse, Rat, Guinea pig, Human 交差が予測される動物種: Cow, Pig, Non human primates, Macaque monkey 
免疫原	Synthetic peptide: NHQLENLEAETAPLP , corresponding to C terminal amino acids 384-398 of Rat Mu Opioid Receptor 1. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium azide Constituent: Whole serum
精製度	Whole antiserum
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 **ab10275** in the following tested applications.

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

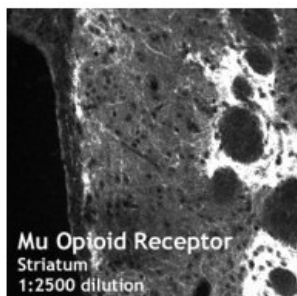
アプリケーション	Abreviews	特記事項
ICC/IF		1/100 - 1/2000.

アプリケーション	Abreviews	特記事項
WB	★★★★☆	1/500 - 1/1000. Detects a band of approximately 49-65 kDa (predicted molecular weight: 45 kDa). Can be blocked with <a href="#">Rat Mu Opioid Receptor peptide (ab46988)</a> . Approximately 49 -65 kDa depending on the tissue lysate. Can be blocked with <a href="#">ab46988</a> .
IHC-Fr		1/100 - 1/2000. We recommend incubating for 18-24 hours at 4C.
ICC		1/100 - 1/2000.
IHC-FoFr		1/100 - 1/2000. We recommend incubating for 18-24 hours at 4C.

## ターゲット情報

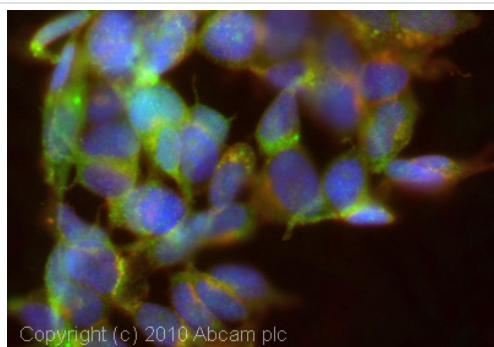
機能	Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Receptor for beta-endorphin.
配列類似性	Belongs to the G-protein coupled receptor 1 family.
細胞内局在	Cell membrane.

## 画像



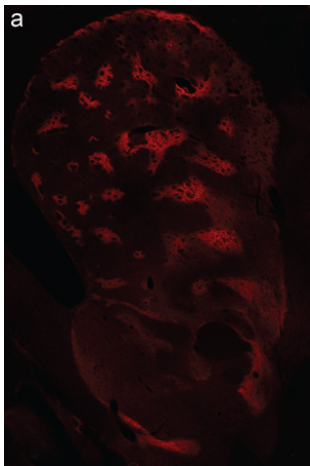
Immunohistochemistry (Frozen sections) - Anti-Mu Opioid Receptor antibody (ab10275)

Ab10275 (1:2500) staining of Mu opioid receptor by IHC.



Immunocytochemistry/ Immunofluorescence - Anti-Mu Opioid Receptor antibody (ab10275)

ICC/IF image of ab10275 stained SHSY5Y 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 (ab10275, 1 in 200 dilution) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 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.

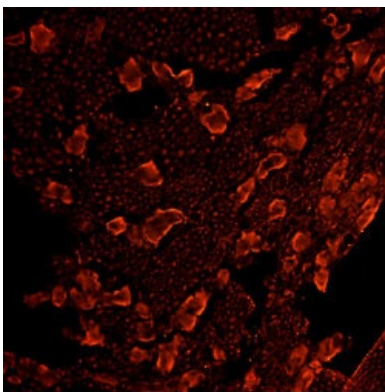


Immunohistochemical analysis of rat brain tissue, staining Mu Opioid Receptor with ab10275.

Tissue was blocked with 5% normal donkey serum and 0.4% Triton X-100 for 1 hour at room temperature. Sections were incubated with primary antibody (1/2000) for 24 hours at 4°C. An AlexaFluor®594-conjugated donkey anti-rabbit IgG (1/250) was used as the secondary antibody.

Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Mu Opioid Receptor antibody (ab10275)

Image from Jedynak JP et al., PLoS One. 2012;7(4):e34227. Epub 2012 Apr 13. Fig 2.; doi:10.1371/journal.pone.0034227; April 13, 2012, PLoS ONE 7(4): e34227.



Mu Opioid Receptor (ab10275) staining of Rat DRG (dilution: 1:100) incubation at 4 °C overnight. Secondary antibody is anti-Rabbit Rhodamine Red (dilution:1:200) incubation at room temperature for 1 hour.

Immunocytochemistry/ Immunofluorescence - Anti-Mu Opioid Receptor antibody (ab10275)

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