Datasheet for ABIN7043403

anti-Mu Opioid Receptor 1 antibody (Extracellular, N-Term)

4 Images

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Overview

Quantity:	25 µL
Target:	Mu Opioid Receptor 1 (OPRM1)
Binding Specificity:	AA 22-38, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Mu Opioid Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CSPAPGSWLNLSHVDGN, corresponding to amino acid residues 22-38 of the rat mu-Opioid receptor
Isotype:	IgG
Characteristics:	Anti-µ-Opioid Receptor (OPRM1) (extracellular) Antibody (ABIN7043403, ABIN7044887 and ABIN7044888)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, live cell imaging, and indirect live cell flow cytometry applications. It has been designed to recognize MOR-1 from rat, human, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

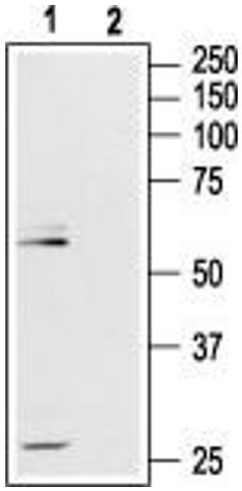
Target:	Mu Opioid Receptor 1 (OPRM1)
Alternative Name:	mu-Opioid Receptor (OPRM1) (OPRM1 Products)
Background:	Alternative names: mu-Opioid Receptor (OPRM1), Mu-type opioid receptor, Opioid receptor B, MOR-1, MOP, Mu-opiate receptor
Gene ID:	25601
NCBI Accession:	NM_000914
UniProt:	P33535
Pathways:	cAMP Metabolic Process, Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

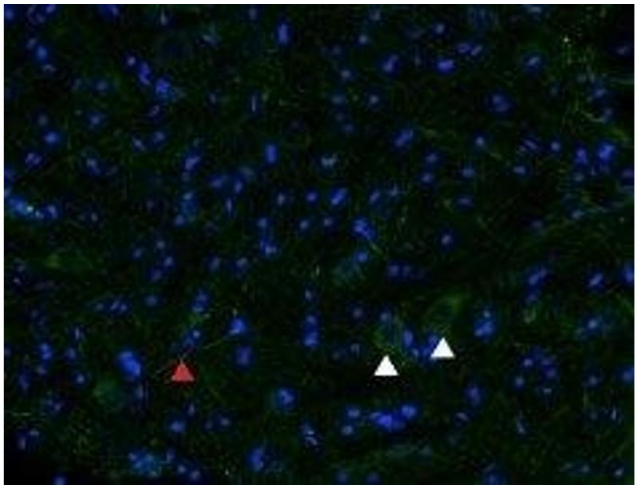
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



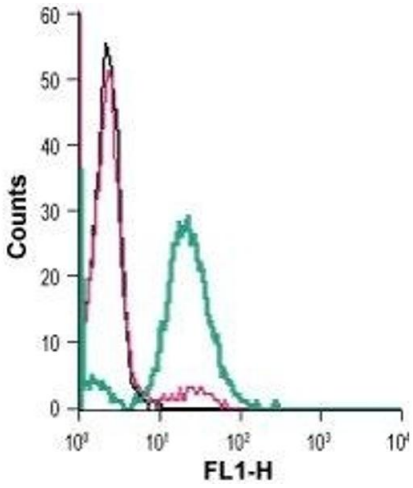
Western Blotting

Image 1. Western blot analysis of rat hippocampus lysate: - 1. Anti-μ-Opioid Receptor (OPRM1) (extracellular) Antibody (ABIN7043403, ABIN7044887 and ABIN7044888), (1:200).2. Anti-μ-Opioid Receptor (OPRM1) (extracellular) Antibody, preincubated with μ-Opioid Receptor/OPRM1 (extracellular) Blocking Peptide (#BLP-OR011).



Immunohistochemistry

Image 2. Expression of μ-opioid receptor (MOR-1) in rat spinal cord - Immunohistochemical staining of rat spinal cord frozen section using Anti-μ-Opioid Receptor (OPRM1) (extracellular) Antibody (ABIN7043403, ABIN7044887 and ABIN7044888), (1:100), followed by goat anti-rabbit AlexaFluor-488 secondary antibody (green). Staining is present in both neuronal cell bodies (white arrows) and their prolongations (red arrows). Hoechst 33342 is used as the counterstain (blue).



Flow Cytometry

Image 3. Cell surface detection of μ-Opioid Receptor in live intact mouse BV-2 microglia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-μ-Opioid Receptor (OPRM1) (extracellular) Antibody (ABIN7043403, ABIN7044887 and ABIN7044888), (5 μg) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN7043403.