Datasheet for ABIN7043023

anti-CNR1 antibody (Extracellular, N-Term)

4 Images

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Overview

Quantity:	25 µL
Target:	CNR1
Binding Specificity:	AA 84-99, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: NKSLSSFKENEENIQC, corresponding to amino acid residues 84-99 of rat CB1 receptor
Isotype:	IgG
Characteristics:	Anti-Cannabinoid Receptor 1 (extracellular) Antibody (ABIN7043023, ABIN7044155 and ABIN7044156)) is a highly specific antibody directed against an epitope of the rat CB1 receptor. The antibody can be used in western blot, immunohistochemistry, and live cell imaging applications. It has been designed to recognize CB1 in human, mouse, and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

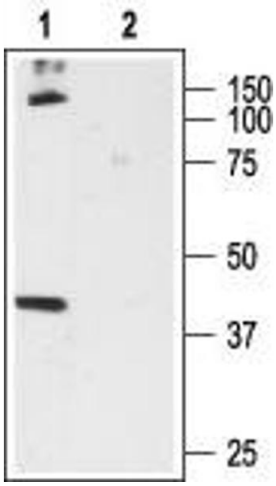
Target:	CNR1
Alternative Name:	Cannabinoid Receptor 1 (CNR1 Products)
Background:	Alternative names: Cannabinoid Receptor 1, CB1, CB-R, CNR1, CANN6, Brain-type cannabinoid receptor, Central cannabinoid receptor
Gene ID:	25248
NCBI Accession:	NM_001160226
UniProt:	P20272
Pathways:	Feeding Behaviour

Application Details

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

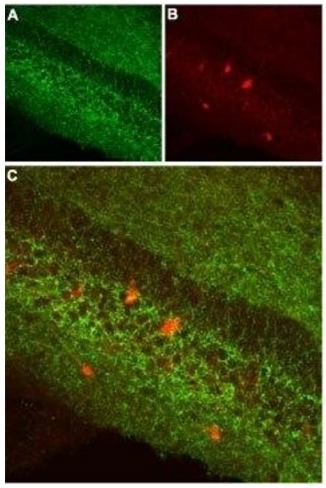
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.7 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).



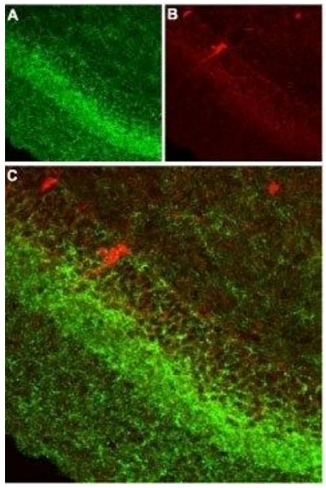
Western Blotting

Image 1. Western blot analysis of rat brain membrane proteins: - 1. Anti-Cannabinoid Receptor 1 (extracellular) Antibody (ABIN7043023, ABIN7044155 and ABIN7044156), (1:200).2. Anti-Cannabinoid Receptor 1 (extracellular) Antibody, preincubated with Cannabinoid Receptor 1 (extracellular) Blocking Peptide (#BLP-CR001).



Immunohistochemistry

Image 2. Expression of CB1 receptor in mouse hippocampus - Immunohistochemical staining of mouse hippocampus using Anti-Cannabinoid Receptor 1 (extracellular) Antibody (ABIN7043023, ABIN7044155 and ABIN7044156), (1:100). A. CB1 is detected in pyramidal and infra-pyramidal layers (green). B. Staining of interneurons using mouse anti-parvalbumin (PV) antibody (red). C. Confocal merge of A and B does not indicate the presence of CB1 in GABAergic cells.



Immunohistochemistry

Image 3. Expression of CB1 receptor in rat hippocampus - Immunohistochemical staining of rat hippocampus using Anti-Cannabinoid Receptor 1 (extracellular) Antibody (ABIN7043023, ABIN7044155 and ABIN7044156) (1:100). A. CB1 is detected in pyramidal and infra-pyramidal layers (green). B. Staining of interneurons using mouse anti-parvalbumin (PV) antibody (red). C. Confocal merge of A and B does not indicate the presence of CB1 in GABAergic cells.

Please check the product details page for more images. Overall 4 images are available for ABIN7043023.