Datasheet for ABIN7043029

anti-CD200R1 antibody (C-Term, Intracellular)

4 Images

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Overview

Quantity:	50 µL
Target:	CD200R1
Binding Specificity:	AA 391-405, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DRLARGRTSTESRKS, corresponding to amino acid residues 391-405 of rat OX2R
Isotype:	IgG
Characteristics:	Anti-Orexin Receptor 2 Antibody (ABIN7043029, ABIN7044885 and ABIN7044886)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize OX2R from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

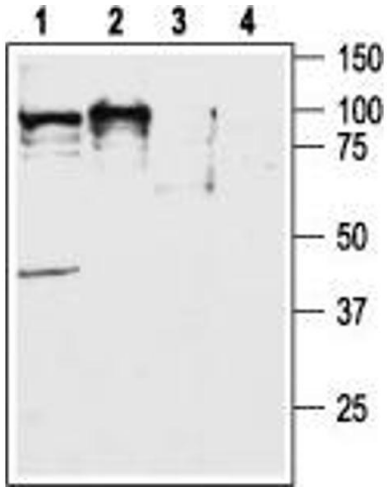
Target:	CD200R1
Alternative Name:	Orexin Receptor 2 (CD200R1 Products)
Background:	Alternative names: Orexin Receptor 2, OX2R, Hypocretin receptor type 2, HCRTR2
Gene ID:	25605
NCBI Accession:	NM_001384272
UniProt:	P56719

Application Details

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

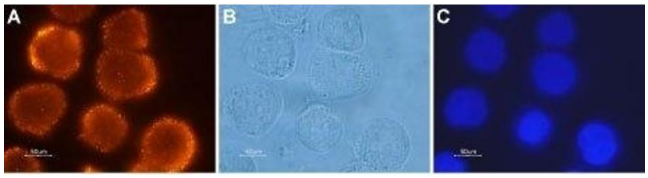
Handling

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).



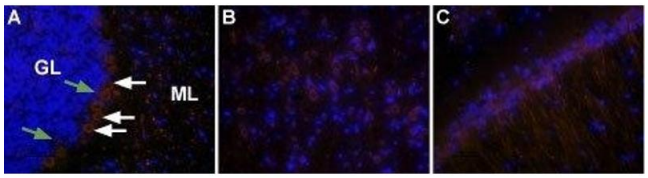
Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-Orexin Receptor 2 Antibody (ABIN7043029, ABIN7044885 and ABIN7044886), (1:400).3,4. Anti-Orexin Receptor 2 Antibody, preincubated with Orexin Receptor 2 Blocking Peptide (#BLP-OR002).



Immunocytochemistry

Image 2. Expression of OX2R in human colon cancer cells - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized human Colo-205 colon cancer cells using Anti-Orexin Receptor 2 Antibody (ABIN7043029, ABIN7044885 and ABIN7044886), (1:500), followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody (red). B. Live view of the same field as in (A). C. Nuclei were visualized with the cell permeable dye Hoechst 33342 (blue).



Immunohistochemistry

Image 3. Expression of OX2R in rat brain - Immunohistochemical staining of rat brain using Anti-Orexin Receptor 2 Antibody (ABIN7043029, ABIN7044885 and ABIN7044886), (1:50), followed by goat anti-rabbit-AlexaFluor-555 secondary antibody (1:500), (red). A. In the cerebellum, staining is present in cell bodies of both Golgi type I (Purkinje cells - white arrows) and Golgi type II (green arrows) neurons. Staining is also present in fibers in the molecular layer (ML). B. In the parietal cortex, staining is evident in neural cell bodies. C. In the hippocampus, staining is present in pyramidal cells in the CA1 layer. Note that both cell bodies and prolongations are stained. Hoechst 33342 is used as the counterstain (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN7043029.