

Datasheet for ABIN7043285

**anti-HCRTR1 antibody (3rd Intracellular Loop)**

7 Images

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## Overview

Quantity:	25 µL
Target:	HCRTR1
Binding Specificity:	3rd Intracellular Loop, AA 256-269
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCRTR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RNWKRPSEQLEAQH, corresponding to amino acid residues 256-269 of rat OX1R
Isotype:	IgG
Characteristics:	Anti-Orexin Receptor 1 Antibody (ABIN7043285, ABIN7044883 and ABIN7044884)) 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 OX1R from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

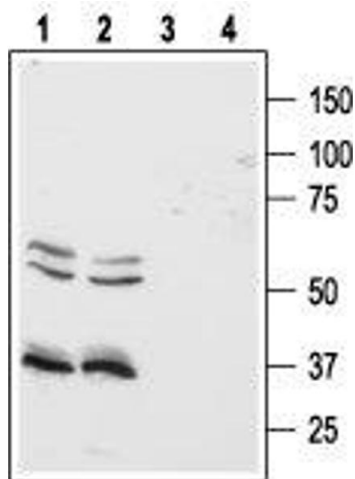
Target:	HCRT1
Alternative Name:	Orexin Receptor 1 ( <a href="#">HCRT1 Products</a> )
Background:	Alternative names: Orexin Receptor 1, OX1R, Hypocretin receptor type 1, HCRT1
Gene ID:	25593
NCBI Accession:	<a href="#">NM_001525</a>
UniProt:	<a href="#">P56718</a>
Pathways:	<a href="#">Feeding Behaviour</a>

## 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



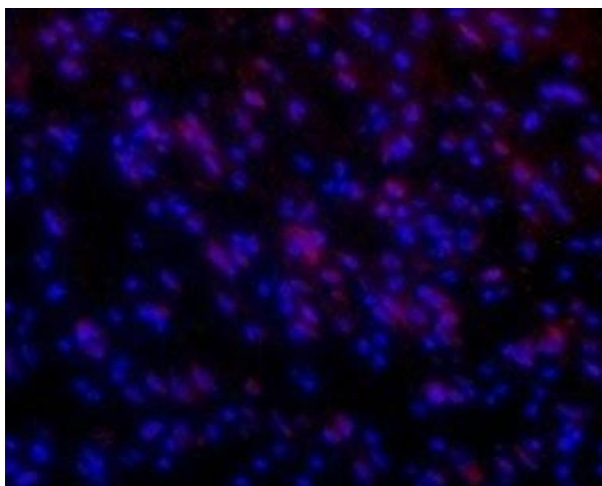
### Western Blotting

**Image 1.** Western blot analysis of human Colo-205 (lanes 1 and 3) and HT-29 (lanes 2 and 4) colon cancer cell lines: - 1,2. Anti-Orexin Receptor 1 Antibody (ABIN7043285, ABIN7044883 and ABIN7044884), (1:500).3,4. Anti-Orexin Receptor 1 Antibody, preincubated with Orexin Receptor 1 Blocking Peptide (#BLP-OR001).



### Immunocytochemistry

**Image 2.** Expression of OX1R in human colon cancer cell lines - Immunocytochemical staining of paraformaldehyde fixed and permeabilized human Colo-205 colon cancer cells A. Cells were stained with Anti-Orexin Receptor 1 Antibody (ABIN7043285, ABIN7044883 and ABIN7044884), (1:200), followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody. B. Live view of the same field as in (A). C. Nuclei were visualized with the cell permeable dye Hoechst 33342 (blue staining).



### Immunohistochemistry

**Image 3.** Expression of OX1R in rat brain - Longitudinal frozen section of rat brainstem showing staining (red) in neuronal cell bodies. Slides were incubated overnight at 4 °C with Anti-Orexin Receptor 1 Antibody (ABIN7043285, ABIN7044883 and ABIN7044884), (1:50) followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody (1:500). Hoechst 33342 is used as a counterstain (blue).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7043285.