

## **Anti-Orexin Receptor 1 Antibody**

Rabbit polyclonal antibody to Orexin Receptor 1
Catalog # AP61479

## **Specification**

## **Anti-Orexin Receptor 1 Antibody - Product Information**

Application WB, IF
Primary Accession O43613
Other Accession P58307

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 47536

## **Anti-Orexin Receptor 1 Antibody - Additional Information**

#### **Gene ID 3061**

#### **Other Names**

Orexin receptor type 1; Ox-1-R; Ox1-R; Ox1R; Hypocretin receptor type 1

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Orexin Receptor 1. The exact sequence is proprietary.

#### Dilution

WB~~WB (1/500 - 1/1000), IF/IC (1/50 - 1/200) IF~~WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

## **Storage**

Store at -20 °C. Stable for 12 months from date of receipt

## **Anti-Orexin Receptor 1 Antibody - Protein Information**

### Name HCRTR1 (HGNC:4848)

#### **Function**

Moderately selective excitatory receptor for orexin-A and, with a lower affinity, for orexin-B neuropeptide (PubMed:<a href="http://www.uniprot.org/citations/26950369" target="\_blank">26950369</a>, PubMed:<a href="http://www.uniprot.org/citations/9491897" target="\_blank">9491897</a>). Triggers an increase in cytoplasmic Ca(2+) levels in response to orexin-A binding (PubMed:<a href="http://www.uniprot.org/citations/26950369" target="\_blank">26950369</a>, PubMed:<a href="http://www.uniprot.org/citations/9491897" target="\_blank">9491897</a>).



**Cellular Location** 

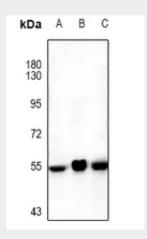
Cell membrane; Multi-pass membrane protein

## **Anti-Orexin Receptor 1 Antibody - Protocols**

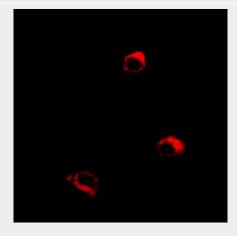
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

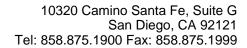
## Anti-Orexin Receptor 1 Antibody - Images



Western blot analysis of Orexin Receptor 1 expression in U87MG (A), rat brain (B), mouse brain (C) whole cell lysates.



Immunofluorescent analysis of Orexin Receptor 1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the





dark.

# **Anti-Orexin Receptor 1 Antibody - Background**

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