

**OX1R / Orexin Receptor 1 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10862****Specification**

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**OX1R / Orexin Receptor 1 Antibody (C-Terminus) - Product Information**

|                   |                                |
|-------------------|--------------------------------|
| Application       | IHC                            |
| Primary Accession | <a href="#">O43613</a>         |
| Reactivity        | Human, Monkey, Pig, Horse, Dog |
| Host              | Rabbit                         |
| Clonality         | Polyclonal                     |
| Calculated MW     | 48kDa KDa                      |

**OX1R / Orexin Receptor 1 Antibody (C-Terminus) - Additional Information****Gene ID** 3061**Other Names**

Orexin receptor type 1, Ox-1-R, Ox1-R, Ox1R, Hypocretin receptor type 1, HCRTR1

**Target/Specificity**

Human HCRTR1 / Orexin Receptor 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

OX1R / Orexin Receptor 1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**OX1R / Orexin Receptor 1 Antibody (C-Terminus) - 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/9491897" target="\\_blank">9491897](http://www.uniprot.org/citations/9491897)</a>, PubMed:<[a href="http://www.uniprot.org/citations/26950369" target="\\_blank">26950369](http://www.uniprot.org/citations/26950369)</a>). Triggers an increase in cytoplasmic Ca(2+) levels in response to orexin-A binding (PubMed:<[a href="http://www.uniprot.org/citations/9491897" target="\\_blank">9491897](http://www.uniprot.org/citations/9491897)</a>, PubMed:<[a href="http://www.uniprot.org/citations/26950369" target="\\_blank">26950369](http://www.uniprot.org/citations/26950369)</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Volume**

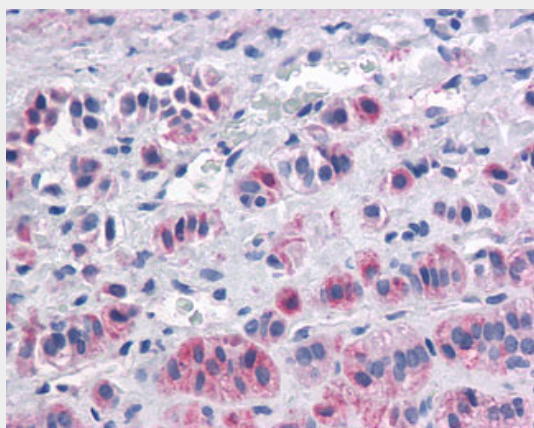
50 µl

### **OX1R / Orexin Receptor 1 Antibody (C-Terminus) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **OX1R / Orexin Receptor 1 Antibody (C-Terminus) - Images**



Anti-OX1R / Orexin Receptor 1 antibody IHC of human Adrenal, Pheochromocytoma.

### **OX1R / Orexin Receptor 1 Antibody (C-Terminus) - Background**

Moderately selective excitatory receptor for orexin-A and, with a lower affinity, for orexin-B neuropeptide. Seems to be exclusively coupled to the G(q) subclass of heteromeric G proteins, which activates the phospholipase C mediated signaling cascade (By similarity).

### **OX1R / Orexin Receptor 1 Antibody (C-Terminus) - References**

Sakurai T., et al. Cell 92:573-585(1998).  
Peyron C., et al. Nat. Med. 6:991-997(2000).  
Olafsdottir B.R., et al. Neurology 57:1896-1899(2001).  
Yeager M., et al. Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).