

HCRT1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16116c**Specification**

HCRT1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O43613](#)**HCRT1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3061**Other Names**

Orexin receptor type 1, Ox-1-R, Ox1-R, Ox1R, Hypocretin receptor type 1, HCRT1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HCRT1 Antibody (Center) Blocking Peptide - Protein Information**Name** HCRT1 ([HGNC:4848](#))**Function**

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

Cellular Location

Cell membrane; Multi-pass membrane protein

HCRT1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HCRT1 Antibody (Center) Blocking Peptide - Images**HCRT1 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRT2) encodes a G-protein coupled receptor that binds orexin A and orexin B.

HCRT1 Antibody (Center) Blocking Peptide - References

Peltonen, H.M., et al. Biochim. Biophys. Acta 1803(10):1206-1212(2010) Saus, E., et al. J Psychiatr Res 44(14):971-978(2010) Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B(5), 1070-1080 (2010) :Turunen, P.M., et al. Br. J. Pharmacol. 159(1):212-221(2010) El Ffirar, A., et al. FASEB J. 23(12):4069-4080(2009)