

HCRT1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16116c**Specification****HCRT1 Antibody (Center) Blocking Peptide -
Product Information**Primary Accession [O43613](#)**HCRT1 Antibody (Center) Blocking Peptide -
Additional Information**

Gene ID 3061

Other NamesOrexin 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

Function

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

**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 Firar, A., et al. FASEB
J. 23(12):4069-4080(2009)

ef="http://www.uniprot.org/citations/9491897" target="_blank">9491897, PubMed: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](#)