

HCRT2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16350c**Specification**

HCRT2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O43614](#)

HCRT2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 3062

Other Names

Orexin receptor type 2, Ox-2-R, Ox2-R, Ox2R, Hypocretin receptor type 2, HCRT2

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.

HCRT2 Antibody (Center) Blocking Peptide - Protein Information

Name HCRT2

Function

Nonselective, high-affinity receptor for both orexin-A and orexin-B neuropeptides (PubMed:9491897, PubMed:26950369). Triggers an increase in cytoplasmic Ca(2+) levels in response to orexin-A binding (PubMed:9491897, PubMed:26950369).

Cellular Location

Cell membrane; Multi-pass membrane protein

HCRT2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HCRT2 Antibody (Center) Blocking Peptide - Images

HCRT2 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 binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRT1) encodes a G-protein coupled receptor that selectively binds orexin A.

HCRT2 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Chen, J., et al. Biochem. J. 427(3):377-390(2010)Fellay, J., et al. PLoS Genet. 5 (12), E1000791 (2009) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)