10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HCRTR2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16350c

Specification

HCRTR2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O43614

HCRTR2 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, HCRTR2

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.

HCRTR2 Antibody (Center) Blocking Peptide - Protein Information

Name HCRTR2

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

HCRTR2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

HCRTR2 Antibody (Center) Blocking Peptide - Images

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HCRTR2 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a G-protein coupledreceptor involved in the regulation of feeding behavior. Theencoded protein binds the hypothalamic neuropeptides orexin A andorexin B. A related gene (HCRTR1) encodes a G-protein coupledreceptor that selectively binds orexin A.

HCRTR2 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)