

# HCRT1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15214

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O43613</a>
<b>Other Accession</b>	<a href="#">NM_001525</a> , <a href="#">NP_001516</a>
<b>Reactivity</b>	Human, Rabbit, Horse
<b>Predicted</b>	Human, Rabbit, Horse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	47536

## Additional Information

---

<b>Gene ID</b>	3061
<b>Alias Symbol</b>	OX1R
<b>Other Names</b>	Orexin receptor type 1, Ox-1-R, Ox1-R, Ox1R, Hypocretin receptor type 1, HCRT1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-HCRT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	HCRT1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

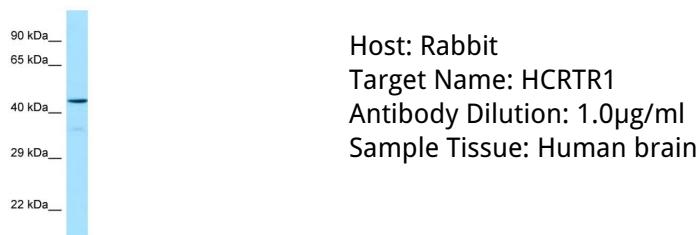
---

<b>Name</b>	HCRT1 ( <a href="#">HGNC:4848</a> )
<b>Function</b>	G-protein coupled receptor that binds the neuropeptide orexin-A with high affinity, and orexin-B with lower affinity, two peptides derived from a common precursor, prepro-orexin (PubMed: <a href="#">32669442</a> , PubMed: <a href="#">9491897</a> ). Its activity is mediated via a G(q)- protein-coupled pathway, which activates the phosphatidylinositol- calcium second messenger system in response to orexin-A binding (PubMed: <a href="#">32669442</a> ). In addition to G(q)-mediated signaling, orexin-A stimulation also promotes beta-arrestin recruitment, leading to receptor internalization (PubMed: <a href="#">15683363</a> , PubMed: <a href="#">32669442</a> ). Plays a significant role in the regulation of food intake (By similarity).

## 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).

## Images



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.