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HCRTR1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15214

Product Information

Application	WB
Primary Accession	O43613
Other Accession	NM_001525, NP_001516
Reactivity	Human, Rabbit, Horse
Predicted	Human, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47536

Additional Information

Gene ID	3061
Alias Symbol	OX1R
Other Names	Orexin receptor type 1, Ox-1-R, Ox1-R, Ox1R, Hypocretin receptor type 1, HCRTR1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-HCRTR1 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.
Precautions	HCRTR1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

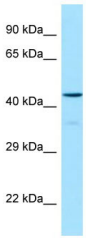
Name	HCRTR1 (HGNC:4848)
Function	G protein-coupled receptor that binds the neuropeptide orexin-A with high affinity, and orexin-B with lower affinity, two peptides derived from a common precursor, prepro-orexin (PubMed:32669442, PubMed:9491897). Its activity is mediated via a G(q)- protein-coupled pathway, which activates the phosphatidylinositol- calcium second messenger system in response to orexin-A binding (PubMed:32669442). In addition to G(q)-mediated signaling, orexin-A stimulation also promotes beta-arrestin recruitment, leading to receptor internalization (PubMed:15683363, PubMed:32669442). Plays a significant role in the regulation of food intake (By similarity).

Cellular Location Cell membrane; Multi-pass membrane protein

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



Host: Rabbit
Target Name: HCRTR1
Antibody Dilution: 1.0µg/ml
Sample Tissue: Human brain

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