Rabbit OX1R / Orexin Receptor 1 Polyclonal Antibody | anti-HCRTR1 antibody

Rabbit Polyclonal to Human OX1R / Orexin Receptor 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51382	**Rabbit**	**Gibbon, Dog, Gorilla, Horse, Human, Monkey, PigPredicted Reactivity: Bovine (at least 90% immunogen sequence identity)**	**Immunohistochemistry**

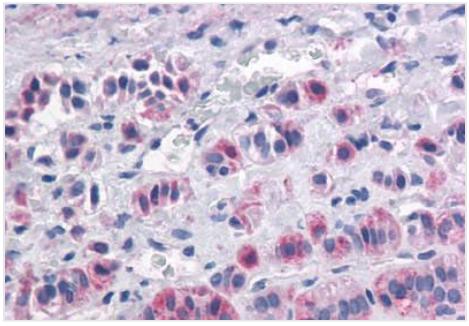
PRODUCT SYNONYMS

OX1R / Orexin Receptor 1; Polyclonal Antibody; Rabbit Polyclonal to Human OX1R / Orexin Receptor 1; Anti-OX1R / Orexin Receptor 1 Antibody (C-Terminus) IHC-plus; Hcrt receptor 1; Hypocretin receptor 1; Hypocretin type 1 receptor; Hypocretin receptor-1; Orexin receptor type 1; Orexin type 1 receptor; Orexin-1 receptor; OX1 receptor; Orexin a receptor; Orexin receptor-1; OX-R1; Orexin receptor 1; Ox1-R; Human OX1R; Orexin Receptor 1; anti-HCRTR1 antibody

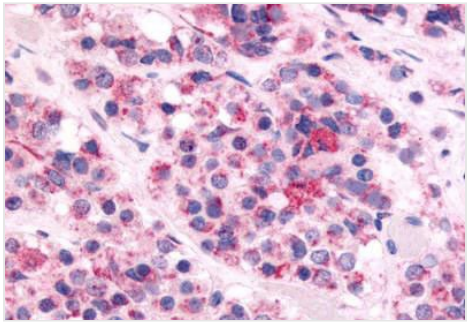
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Dog, Gorilla, Horse, Human, Monkey, Pig **Predicted Reactivity:** Bovine (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human HCRTR1 / Orexin Receptor 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	425
Applicable Applications for anti-HCRTR1 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from C-terminus of human HCRTR1 / Orexin Receptor 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Dog, Horse, Pig (100%); Elephant, Bovine (94%); Marmoset, Panda (88%); Bat (81%).
Immunogen Type	Synthetic peptide
Immunogen	OX1R / Orexin Receptor 1 antibody was raised against synthetic 16 amino acid peptide from C-terminus of human HCRTR1 / Orexin Receptor 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Dog, Horse, Pig (100%); Elephant, Bovine (94%); Marmoset, Panda (88%); Bat (81%).
Antigen Modification	C-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohiostchemistry)
Anti-OX1R / Orexin Receptor 1 antibody IHC of human Adrenal, Pheochromocytoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-HCRTR1 / Orexin Receptor 1 antibody IHC of human brain, anterior pituitary cells. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-HCRTR1 antibody	OX1R is an Orexin Receptor selective for orexin A. This receptor participates in the feedback mechanism that regulates feeding behavior and sleep. When activated, OX1R stimulates appetite. OX1R has been implicated in narcolepsy, a sleep/wake disorder.
Product Categories/Family for anti-HCRTR1 antibody	Family: GPCR; Subfamily: Orexin

NCBI AND UNIPROT INFORMATION

NCBI GI #	222080095
NCBI GeneID	3061
NCBI Accession #	NP_001516.2
NCBI GenBank Nucleotide #	NM_001525.2
UniProt Accession #	O43613; Q9HBV6; A8K3A6
Molecular Weight	47,536 Da
NCBI Official Full Name	orexin receptor type 1
NCBI Official Synonym Full Names	hypocretin (orexin) receptor 1
NCBI Official Symbol	HCRTR1
NCBI Official Synonym Symbols	OX1R
NCBI Protein Information	orexin receptor type 1; ox1-R; ox-1-R; orexin receptor 1; orexin receptor-1; hypocretin receptor 1; hypocretin receptor-1; hypocretin receptor type 1
UniProt Protein Name	Orexin receptor type 1
UniProt Gene Name	**HCRTR1**
UniProt Synonym Gene Names	Ox-1-R; Ox1-R; Ox1R
UniProt Entry Name	OX1R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/ox1r-orexin-receptor-1-antibody-immunohistochemistry-elisa/51382