

Goat Orexin receptor 1 Polyclonal Antibody | anti-HCRTR1 antibody

Goat anti-Orexin receptor 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13669	Goat	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat, Dog, Sheep	ELISA, Western Blot

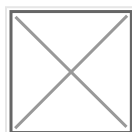
PRODUCT SYNONYMS

Orexin receptor 1; Polyclonal Antibody; Goat anti-Orexin receptor 1 Antibody; Goat Anti-OX1R and OX2R Antibody; HCRTR1; OX1R; hypocretin (orexin) receptor 1; orexin receptor; orexin receptor 1; orexin receptor-1; hypocretin receptor 1; hypocretin receptor-1; HCRTR1 antibody; OX1R antibody; hypocretin (orexin) receptor 1 antibody; orexin receptor antibody; orexin receptor 1 antibody; orexin receptor-1 antibody; hypocretin receptor 1 antibody; hypocretin receptor-1 antibody; anti-HCRTR1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat, Dog, Sheep
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	RNWKRPDQL GD
Sequence Length	425
Applicable Applications for anti-HCRTR1 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Application Notes	Peptide ELISA: Antibody detection limit dilution 1: 8000. Western Blot: Approx 48+35kDa band observed in Human Brain lysates (calculated MW of 47.5kDa according to NP_001516.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Silveyra et al, Am J Physiol Endocrinol Metab.2007 Oct;293(4): E977-85; PMID: 17638707). Recommended concentration: 0.1-0.3ug/ml.
Immunogen	Peptide with sequence C-RNWKRPDQLGD, from the internal region of the protein sequence according to NP_001516.1.
Epitope	Internal region
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

0.1ug/ml staining of Human Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557637
NCBI GeneID	3061
NCBI Accession #	NP_001516.1
NCBI GenBank Nucleotide #	NM_001525.1
Molecular Weight	47,536 Da
NCBI Official Full Name	orexin receptor 1
NCBI Official Synonym Full Names	hypocretin receptor 1
NCBI Official Symbol	HCRT1
NCBI Official Synonym Symbols	OX1R
NCBI Protein Information	orexin receptor type 1
UniProt Protein Name	Orexin receptor type 1
UniProt Gene Name	HCRT1
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://stage.aaabiotech.com/polyclonal/orexin-receptor-1-antibody-peptide-elisa-western-blot-elisa/13669>