

Rat Orexin receptor type 2 (HCRT2) ELISA Kit | HCRT2 elisa kit

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CATALOG #
AAA245518

REACTIVITY
Rat

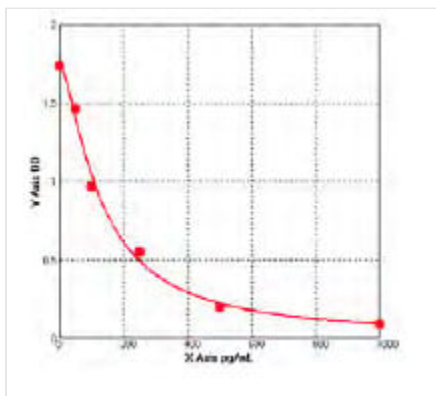
PRODUCT SYNONYMS

Orexin receptor type 2 (HCRT2); Rat Orexin receptor type 2 (HCRT2) ELISA Kit; HCRT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HCRT2 elisa kit

Intended Uses: This HCRT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HCRT2. This ELISA kit for research use only!

Principle of the Assay: HCRT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HCRT2 antibody and an HCRT2-HRP conjugate. The assay sample and buffer are incubated together with HCRT2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HCRT2 concentration since HCRT2 from samples and HCRT2-HRP conjugate compete for the anti-HCRT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HCRT2 from the sample, fewer sites are left to bind HCRT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HCRT2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	222080109
NCBI GeneID	3062
NCBI Accession #	NP_001517.2
NCBI GenBank Nucleotide #	NM_001526.3
Molecular Weight	50,694 Da
NCBI Official Full Name	orexin receptor type 2
NCBI Official Synonym Full Names	hypocretin (orexin) receptor 2
NCBI Official Symbol	HCRT2
NCBI Official Synonym Symbols	OX2R
NCBI Protein Information	orexin receptor type 2; ox2-R; ox-2-R; orexin type-2 receptor; hypocretin receptor type 2
UniProt Protein Name	Orexin receptor type 2
UniProt Gene Name	HCRT2
UniProt Synonym Gene Names	Ox-2-R; OX2-R; OX2R
UniProt Entry Name	OX2R_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.