

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.

Product Categories/Family for HCRT2 elisa kit

Neuroscience

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	HCRTR2
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	HCRTR2
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/orexin-receptor-type-2-hcrtr2/245518>