

Rat Neuropeptide Y receptor type 2 (NPY2R) ELISA Kit | NPY2R elisa kit

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CATALOG #
AAA245640

REACTIVITY
Rat

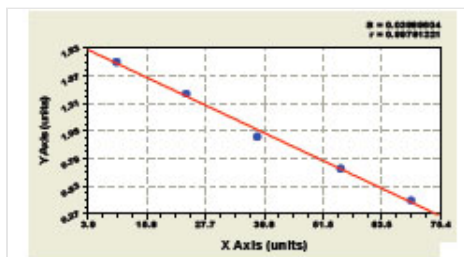
PRODUCT SYNONYMS

Neuropeptide Y receptor type 2 (NPY2R); Rat Neuropeptide Y receptor type 2 (NPY2R) ELISA Kit; NPY2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPY2R elisa kit

Intended Uses: This NPY2R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NPY2R. This ELISA kit for research use only!

Principle of the Assay||NPY2R ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NPY2R antibody and an NPY2R-HRP conjugate. The assay sample and buffer are incubated together with NPY2R-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 NPY2R concentration since NPY2R from samples and NPY2R-HRP conjugate compete for the anti-NPY2R antibody binding site. Since the number of sites is limited, as more sites are occupied by NPY2R from the sample, fewer sites are left to bind NPY2R-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPY2R concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NPY2R elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505447
NCBI GeneID	4887
NCBI Accession #	NP_000901.1
NCBI GenBank Nucleotide #	NM_000910.2
Molecular Weight	42,731 Da
NCBI Official Full Name	neuropeptide Y receptor type 2
NCBI Official Synonym Full Names	neuropeptide Y receptor Y2
NCBI Official Symbol	NPY2R
NCBI Official Synonym Symbols	NPY2-R
NCBI Protein Information	neuropeptide Y receptor type 2; Y2 receptor; NPY-Y2 receptor
UniProt Protein Name	Neuropeptide Y receptor type 2
UniProt Gene Name	NPY2R
UniProt Synonym Gene Names	NPY2-R; Y2 receptor
UniProt Entry Name	NPY2R_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/neuropeptide-y-receptor-type-2-npy2r/245640>