

Rat Neuropeptide Y Receptor Y5 (NPY5R) ELISA Kit | NPY5R elisa kit

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CATALOG #
AAA66812

REACTIVITY
Rat

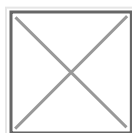
PRODUCT SYNONYMS

Neuropeptide Y Receptor Y5 (NPY5R); Rat Neuropeptide Y Receptor Y5 (NPY5R) ELISA Kit; NPY5R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NPY5R. No significant cross-reactivity or interference between NPY5R and analogues was observed.
Sequence Length	445
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPY5R were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NPY5R were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPY5R elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPY5R in rat tissue homogenates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NPY5R. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPY5R. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NPY5R, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NPY5R in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981284
NCBI GeneID	25340
NCBI Accession #	NP_037001.1
NCBI GenBank Nucleotide #	NM_012869.1
UniProt Accession #	Q63634; P70586
Molecular Weight	50,408 Da
NCBI Official Full Name	neuropeptide Y receptor type 5
NCBI Official Synonym Full Names	neuropeptide Y receptor Y5
NCBI Official Symbol	Npy5r
NCBI Official Synonym Symbols	NPYR5
NCBI Protein Information	neuropeptide Y receptor type 5
UniProt Protein Name	Neuropeptide Y receptor type 5
UniProt Gene Name	Npy5r
UniProt Synonym Gene Names	Npyr5; NPY5-R; NPYY5-R; Y5 receptor

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/neuropeptide-y-receptor-y5-npy5r/66812>