

Mouse Neuropeptide Y Receptor Y2 (NPY2R) ELISA Kit | NPY2R elisa kit

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CATALOG #
AAA63802

REACTIVITY
Mouse

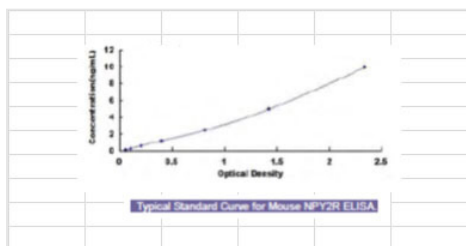
PRODUCT SYNONYMS

Neuropeptide Y Receptor Y2 (NPY2R); Mouse Neuropeptide Y Receptor Y2 (NPY2R) ELISA Kit; NPY-Y2 receptor; NPY2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NPY2R. No significant cross-reactivity or interference between NPY2R and analogues was observed.
Sequence Length	381
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPY2R 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 NPY2R 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 NPY2R elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPY2R in mouse 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 NPY2R. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPY2R. 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 NPY2R, 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 NPY2R in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148277109
NCBI GeneID	18167
NCBI Accession #	NP_032757.2
NCBI GenBank Nucleotide #	NM_008731.3
UniProt Accession #	P97295; Q8BWW1; F7C6W7
Molecular Weight	42,628 Da
NCBI Official Full Name	neuropeptide Y receptor type 2 isoform 1
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
UniProt Protein Name	Neuropeptide Y receptor type 2
UniProt Gene Name	Npy2r
UniProt Synonym Gene Names	NPY2-R; Y2 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/mouse-elisa-kits/neuropeptide-y-receptor-y2-npy2r/63802>