

Rat Neuronal Pentraxin II (NPTX2) ELISA Kit | NPTX2 elisa kit

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CATALOG #
AAA64250

REACTIVITY
Rat

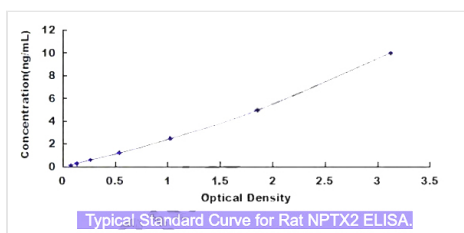
PRODUCT SYNONYMS

Neuronal Pentraxin II (NPTX2); Rat Neuronal Pentraxin II (NPTX2) ELISA Kit; NARP2; NP-II; NP2; Apexin; NPTX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NPTX2. No significant cross-reactivity or interference between NPTX2 and analogues was observed.
Sequence Length	432
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma or other biological fluids
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 NPTX2 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 NPTX2 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 NPTX2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NPTX2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPTX2. 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 NPTX2, 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 NPTX2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NPTX2 in rat serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18202478
NCBI GeneID	288475
UniProt Accession #	P97738
Molecular Weight	47,429 Da
NCBI Official Full Name	Neuronal pentraxin-2
NCBI Official Synonym Full Names	neuronal pentraxin 2
NCBI Official Symbol	Nptx2
NCBI Official Synonym Symbols	NP2; Narp; NP-II
NCBI Protein Information	neuronal pentraxin-2
UniProt Protein Name	Neuronal pentraxin-2
UniProt Gene Name	Nptx2
UniProt Synonym Gene Names	Narp; NP2; NP-II

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/neuronal-pentraxin-ii-nptx2/64250>