

Rat Neuropathy Target Esterase (NTE) ELISA Kit | NTE elisa kit

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CATALOG #
AAA64241

REACTIVITY
Rat

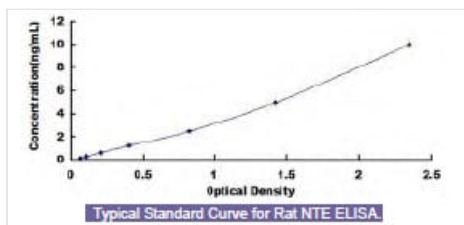
PRODUCT SYNONYMS

Neuropathy Target Esterase (NTE); Rat Neuropathy Target Esterase (NTE) ELISA Kit; PNPLA6; Sws; Patatin-Like Phospholipase Domain Containing 6; NTE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NTE. No significant cross-reactivity or interference between NTE and analogues was observed.
Sequence Length	1,354
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NTE 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 NTE 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 NTE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NTE 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 NTE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NTE. 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 NTE, 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 NTE 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 GeneID	10908
UniProt Accession #	M0R715; Q8IY17
Molecular Weight	149,441 Da
NCBI Official Synonym Full Names	patatin like phospholipase domain containing 6
NCBI Official Symbol	PNPLA6
NCBI Official Synonym Symbols	NTE; sws; BNHS; LNMS; OMCS; SPG39; NTEMND; iPLA2delta
NCBI Protein Information	neuropathy target esterase
UniProt Protein Name	Protein Pnpla6
UniProt Gene Name	Pnpla6

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/neuropathy-target-esterase-nte/64241>