

Human Neuroplastin (NPTN) ELISA Kit | NPTN elisa kit

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CATALOG #
AAA68150

REACTIVITY
Human

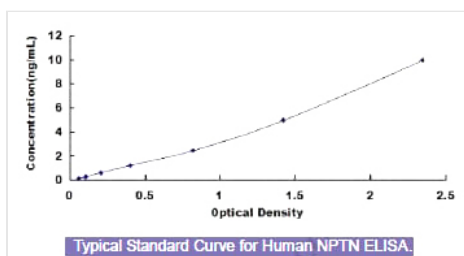
PRODUCT SYNONYMS

Neuroplastin (NPTN); Human Neuroplastin (NPTN) ELISA Kit; NPTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPTN. No significant cross-reactivity or interference between NPTN and analogues was observed.
Sequence Length	394
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.052ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPTN 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 NPTN 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 NPTN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPTN in human 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 NPTN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPTN. 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 NPTN, 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 NPTN 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 #	238624147
NCBI GeneID	27020
NCBI Accession #	NP_001154835.1
NCBI GenBank Nucleotide #	NM_001161363.1
UniProt Accession #	Q9Y639; Q17R52; Q59EJ9; Q6NVX7; Q9Y640; B2RAL7; B7Z4D3; B7ZLL2
Molecular Weight	43,931 Da
NCBI Official Full Name	neuroplastin isoform c
NCBI Official Synonym Full Names	neuroplastin
NCBI Official Symbol	NPTN
NCBI Official Synonym Symbols	GP55; GP65; SDR1; np55; np65; SDFR1
NCBI Protein Information	neuroplastin
UniProt Protein Name	Neuroplastin
UniProt Gene Name	NPTN
UniProt Synonym Gene Names	SDFR1; SDR1; SDR-1

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.