

Rat Protein Tyrosine Phosphatase, Non Receptor Type 11 (PTPN11) ELISA Kit | PTPN11 elisa kit

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CATALOG # AAA64683	REACTIVITY Rat
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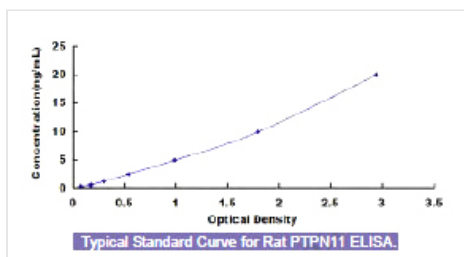
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase; Non Receptor Type 11 (PTPN11); Rat Protein Tyrosine Phosphatase; Non Receptor Type 11 (PTPN11) ELISA Kit; BPTP3; CFC; NS1; PTP-1D; PTP2C; SH-PTP2; SH-PTP3; SHP2; Noonan Syndrome 1; Protein-tyrosine phosphatase 1D; Protein-tyrosine phosphatase 2C; PTPN11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PTPN11. No significant cross-reactivity or interference between PTPN11 and analogues was observed.
Sequence Length	597
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.107ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTPN11 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 PTPN11 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 PTPN11 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTPN11 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 PTPN11. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PTPN11. 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 PTPN11, 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 PTPN11 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 #	294862239
NCBI GeneID	25622
NCBI Accession #	NP_001171064.1
NCBI GenBank Nucleotide #	NM_001177593.1
UniProt Accession #	P41499; Q62626
Molecular Weight	68,033 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 11 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 11
NCBI Official Symbol	Ptpn11
NCBI Official Synonym Symbols	Shp2
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 11
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 11
UniProt Gene Name	Ptpn11
UniProt Synonym Gene Names	PTP-1D; SHP-2; Shp2

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/protein-tyrosine-phosphatase-non-receptor-type-11-ptpn11/64683>