

Rat BDNF/NT-3 Growth Factors Receptor (NTRK2) ELISA Kit | Ntrk2 elisa kit

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CATALOG # AAA219813	REACTIVITY Rat
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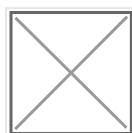
PRODUCT SYNONYMS

BDNF/NT-3 Growth Factors Receptor (NTRK2); Rat BDNF/NT-3 Growth Factors Receptor (NTRK2) ELISA Kit; Ntrk2;Trkb;TrkB tyrosine kinase (Trk-B);Neurotrophic tyrosine kinase receptor type 2; Ntrk2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NTRK2. No significant cross-reactivity or interference between NTRK2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.069ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NTRK2 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 NTRK2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ntrk2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NTRK2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NTRK2. 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 NTRK2, 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 NTRK2 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 NTRK2 in rat tissue homogenates, cell culture supernates or other biological fluids.
Product Categories/Family for Ntrk2 elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	253683488
NCBI GeneID	25054
NCBI Accession #	NP_001156640.1
NCBI GenBank Nucleotide #	NM_001163168.2
UniProt Accession #	Q63604; Q63605; Q63606
Molecular Weight	92,186 Da
NCBI Official Full Name	BDNF/NT-3 growth factors receptor isoform 2
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 2
NCBI Official Symbol	Ntrk2
NCBI Official Synonym Symbols	Tkrb; trkB; TRKB1; trk-B; RATTRKB1
NCBI Protein Information	BDNF/NT-3 growth factors receptor; GP145-TrkB/GP95-TrkB; trkB tyrosine kinase; neurotrophic tyrosine receptor kinase type 2; neural receptor protein-tyrosine kinase (trkB)
UniProt Protein Name	BDNF/NT-3 growth factors receptor
UniProt Gene Name	Ntrk2
UniProt Synonym Gene Names	Tkrb; Trk-B
UniProt Entry Name	NTRK2_RAT

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/bdnf-nt-3-growth-factors-receptor-ntrk2/219813>