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Datasheet for ABIN5692235

NTRK3 ELISA Kit

Overview

Quantity:	96 tests
Target:	NTRK3
Binding Specificity:	AA 32-429
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse TRKC. 96wells/kit, with removable strips.
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Cell Lysate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NS0, Immunogen sequence: C32-T429
Sensitivity:	< 10 pg/mL
Components:	96-well plate precoated with antibody lyophilized recombinant standard

Product Details

biotinylated antibody (dilution 1:100)
Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)
Sample diluent buffer
Antibody diluent buffer
ABC diluent buffer
TMB color developing agent
TMB stop solution
Adhesive cover

Target Details

Target: NTRK3

Alternative Name: Ntrk3 ([NTRK3 Products](#))

Background: Synonyms: NT-3 growth factor receptor, GP145-TrkC, Trk-C, Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, Ntrk3, TrkC
Tissue Specificity: Isoform 2 expression is restricted to specific areas in adult brain. Isoform 3 transcripts are readily detected early during embryogenesis and are expressed predominantly in adult brain and gonads.
Background: NTRK3 (Neurotrophic Tyrosine Kinase Receptor Type 3), also known as TRKC, is a protein that in humans is encoded by the NTRK3 gene. By PCR analysis of a somatic cell hybrid panel and by fluorescence in situ hybridization with the cDNA clone, it mapped the NTRK3 gene to 15q24-q25. TRKC, a member of the TRK family of tyrosine protein kinase genes. They found that TRKC is preferentially expressed in the brain, in situ hybridization studies showed transcripts in the hippocampus, cerebral cortex, and the granular cell layer of the cerebellum. By functional studies in HeLa cells, 5 miRNAs regulate the truncated form of NTRK3.
Cellular Localisation: Membrane, Single-pass type I membrane protein.

UniProt: [Q6VNS1](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [Regulation of Cell Size](#)

Application Details

Assay Time: 25 min

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months