

Human Neurotrophic tyrosine kinase receptor type 2, NTRK2 ELISA Kit | NTRK2 elisa kit

Human Neurotrophic tyrosine kinase receptor type 2, NTRK2 Primacu ELISA Kit

CATALOG #
AAA124364

REACTIVITY
Human

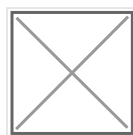
PRODUCT SYNONYMS

Neurotrophic tyrosine kinase receptor type 2; NTRK2; Human Neurotrophic tyrosine kinase receptor type 2; NTRK2 Primacu ELISA Kit; BDNF/NT-3 growth factors receptor; TrkB; TRKB; NTRK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	10.98-700pg/mL
Sensitivity	2.62pg/mL
Standard Solution	7ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for NTRK2 elisa kit	TrkB receptor also known as TrkB tyrosine kinase or BDNF/NT-3 growth factors receptor or neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) is a single transmembrane catalytic receptor with intracellular tyrosine kinase activity. TrkB/NTRK2 is a member of the neurotrophic tyrosine receptor kinase (NTRK) family. TrkB tyrosine kinase (TrkB) or NTRK2 is coupled to the Ras, Cdc42/Rac/RhoG, MAPK, PI3-K, and PLCgamma signaling pathways. There are four members of the Trk family; TrkA, TrkB, and TrkC and a related p75NTR receptor. Each family member binds different neurotrophins with varying affinities. TrkB/NTRK has the highest affinity for brain-derived neurotrophic factor (BDNF) and is involved in neuronal plasticity, long-term potentiation, and apoptosis of CNS neurons. Other neurotrophins include nerve growth factor(NGF), neurotrophin-3 and neurotrophin-4. TrkB/NTRK is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signaling through this kinase leads to cell differentiation. Mutations in TrkB/NTRK have been associated with obesity and mood disorders. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy
Product Categories/Family for NTRK2 elisa kit	Primacu ELISA Kit; Signal transduction ; Cancer ; Metabolism ; Neuroscience ; Cell biology ; Developmental biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	55956790
NCBI GeneID	4915
NCBI Accession #	NP_001007098.1
NCBI GenBank Nucleotide #	NM_001007097.1
UniProt Accession #	Q16620; Q16675; Q59GJ1; Q8WXJ5; Q8WXJ6; Q8WXJ7; B1ANZ4; B4DFV9
Molecular Weight	91,999 Da
NCBI Official Full Name	BDNF/NT-3 growth factors receptor isoform b
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 2
NCBI Official Symbol	NTRK2
NCBI Official Synonym Symbols	TRKB; trk-B; GP145-TrkB
NCBI Protein Information	BDNF/NT-3 growth factors receptor; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B
UniProt Protein Name	BDNF/NT-3 growth factors receptor
UniProt Gene Name	NTRK2
UniProt Synonym Gene Names	TRKB; Trk-B
UniProt Entry Name	NTRK2_HUMAN

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/human-elisa-kits/neurotrophic-tyrosine-kinase-receptor-type-2-ntrk2/124364>