

Rat Neurotrophic Tyrosine Kinase Receptor Type 2 ELISA Kit | NTRK2 elisa kit

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CATALOG #
AAA84597

REACTIVITY
Rat

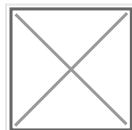
PRODUCT SYNONYMS

Neurotrophic Tyrosine Kinase Receptor Type 2; Rat Neurotrophic Tyrosine Kinase Receptor Type 2 ELISA Kit; NTRK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000 pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NTRK2 elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This SOX1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of SOX1 in the sample, this SOX1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus SOX1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of SOX1 utilizes a monoclonal anti-SOX1 antibody and an SOX1-HRP conjugate. The assay sample and buffer are incubated together with SOX1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SOX1 concentration since SOX1 from samples and SOX1-HRP conjugate compete for the anti-SOX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SOX1 from the sample, fewer sites are left to bind SOX1-HRP conjugate. Standards of known SOX1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of SOX1. The SOX1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55665031
UniProt Accession #	Q548C2
Molecular Weight	91,999 Da
UniProt Protein Name	Tyrosine-protein kinase receptor
UniProt Gene Name	NTRK2
UniProt Entry Name	Q548C2_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/ntrk2-rat-elisa-kits/neurotrophic-tyrosine-kinase-receptor-type-2/84597>