

Rat tryptophan hydroxylase 2 ELISA Kit | TPH2 elisa kit

Rat Tryptophan 5-hydroxylase 2, TPH2 ELISA Kit

CATALOG #
AAA18085

REACTIVITY
Rat

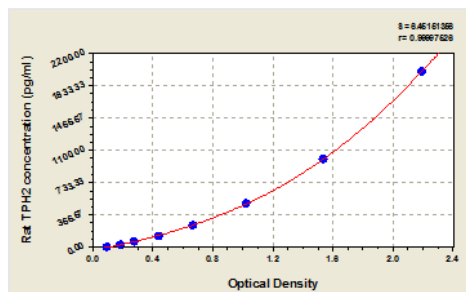
PRODUCT SYNONYMS

tryptophan hydroxylase 2; Rat Tryptophan 5-hydroxylase 2; TPH2 ELISA Kit; Rat Tryptophan 5-hydroxylase 2 (TPH2) ELISA kit; ADHD7; FLJ37295; MGC138871; MGC138872; NTPH; neuronal tryptophan hydroxylase; tryptophan 5-monoxygenase 2; TPH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of human TPH2. No significant cross-reactivity or interference between human TPH2 and analogues was observed.
Sequence Length	485
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates
Assay Type	Quantitative Sandwich
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	7.81 pg/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPH2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TPH2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPH2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPH2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TPH2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27753970
NCBI GeneID	317675
NCBI Accession #	NP_776211.1
NCBI GenBank Nucleotide #	NM_173839.2
UniProt Accession #	Q8CGU9
Molecular Weight	55,621 Da
NCBI Official Full Name	tryptophan 5-hydroxylase 2
NCBI Official Synonym Full Names	tryptophan hydroxylase 2
NCBI Official Symbol	Tph2
NCBI Official Synonym Symbols	Ntph
NCBI Protein Information	tryptophan 5-hydroxylase 2; tryptophan 5-monooxygenase 2; neuronal tryptophan hydroxylase
UniProt Protein Name	Tryptophan 5-hydroxylase 2
UniProt Gene Name	Tph2
UniProt Synonym Gene Names	Ntph
UniProt Entry Name	TPH2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tph2-rat-elisa-kits/tryptophan-hydroxylase-2/18085>