

Rat tryptophan hydroxylase 1 ELISA Kit | TPH1 elisa kit

Rat Tryptophan Hydroxylase, TPH ELISA Kit

CATALOG #
AAA79447

REACTIVITY
Rat

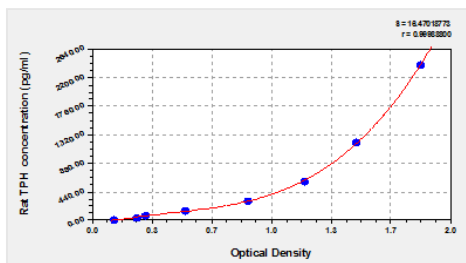
PRODUCT SYNONYMS

tryptophan hydroxylase 1; Rat Tryptophan Hydroxylase; TPH ELISA Kit; Rat Tryptophan Hydroxylase (TPH) ELISA Kit; MGC119994; TPRH; TRPH; L-tryptophan hydroxylase; indoleacetic acid-5-hydroxylase; tryptophan hydroxylase (tryptophan 5-monoxygenase) ; TPH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat TPH. No significant cross-reactivity or interference between rat TPH and analogues was observed.
Sequence Length	444
Samples	serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	37.5 pg/ml -2400 pg/ml
Sensitivity	<9.4 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 TPH1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TPH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPH 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 TPH bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	126723694
NCBI GeneID	100009100
NCBI Accession #	NP_001075741.1
NCBI GenBank Nucleotide #	NM_001082272.1
UniProt Accession #	P17290; Q29523
Molecular Weight	51,118 Da
NCBI Official Full Name	tryptophan 5-hydroxylase 1
NCBI Official Symbol	TPH1
NCBI Official Synonym Symbols	TPH2
NCBI Protein Information	tryptophan 5-hydroxylase 1; tryptophan hydroxylase 2
UniProt Protein Name	Tryptophan 5-hydroxylase 1
UniProt Gene Name	TPH1
UniProt Synonym Gene Names	TPH
UniProt Entry Name	TPH1_RABIT

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/tph1-rat-elisa-kits/tryptophan-hydroxylase-1/79447>