

Rabbit anti-Human TH Polyclonal Antibody | anti-TH antibody

TH Antibody (C-term)

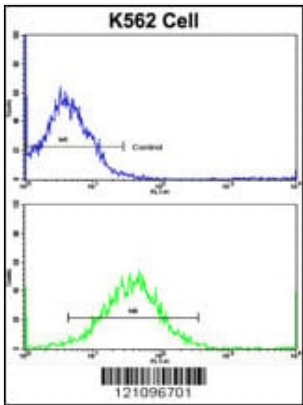
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283622	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

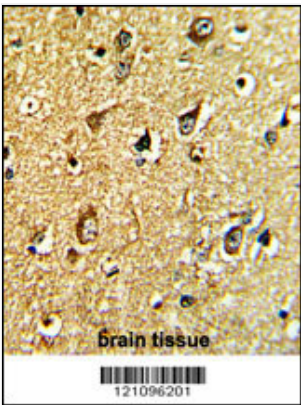
TH; Polyclonal Antibody; TH Antibody (C-term); Tyrosine 3-monooxygenase; Tyrosine 3-hydroxylase; TYH; anti-TH antibody

PRODUCT SPECIFICATIONS

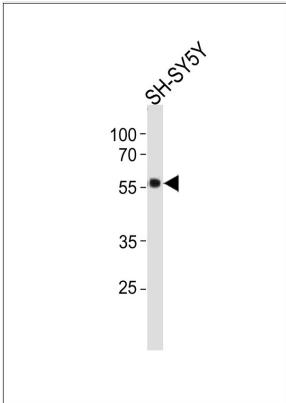
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 486-514 amino acids from the C-terminal region of human TH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	486-514
Sequence Length	497
Applicable Applications for anti-TH antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



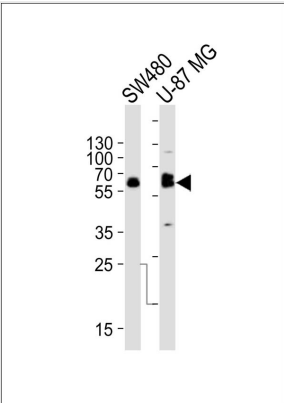
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of K562 cells using TH Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human brain tissue with TH Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
TH Antibody (C-term) western blot analysis in SH-SY5Y cell line lysates (35ug/lane).This demonstrates the TH antibody detected the TH protein (arrow).



WB (Western Blot)
Western blot analysis of lysates from SW480, U-87 MG cell line (from left to right), using TH Antibody (C-term). AAA283622 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-TH antibody	TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons.
Product Categories/Family for anti-TH antibody	Crown Antibodies; Cancer; Metabolism; Neuroscience; Signal Transduction
References	Kuhn,D.M., et.al., J. Biol. Chem. 277 (16), 14336-14342 (2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	88900503
NCBI GeneID	7054
NCBI Accession #	NP_000351.2; NP_954986.2; NP_954987.2
NCBI GenBank Nucleotide #	NM_000360.3
UniProt Accession #	P07101; Q0PWM2; Q0PWM3; Q15585; Q15588; Q15589; Q2M3B4; B7ZL70; B7ZL73
Molecular Weight	58600

NCBI Official Full Name	tyrosine 3-monooxygenase isoform b
NCBI Official Synonym Full Names	tyrosine hydroxylase
NCBI Official Symbol	TH
NCBI Official Synonym Symbols	TYH; DYT14; DYT5b
NCBI Protein Information	tyrosine 3-monooxygenase
UniProt Protein Name	Tyrosine 3-monooxygenase
UniProt Gene Name	TH
UniProt Synonym Gene Names	TYH; TH
UniProt Entry Name	TY3H_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/th-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283622>