

Rabbit TPH2 Polyclonal Antibody | anti-TPH2 antibody

TPH2 Antibody (Center)

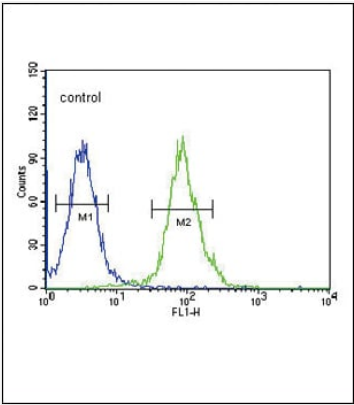
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286065	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

TPH2; Polyclonal Antibody; TPH2 Antibody (Center); Tryptophan 5-hydroxylase 2; Neuronal tryptophan hydroxylase; Tryptophan 5-monoxygenase 2; NTPH; anti-TPH2 antibody

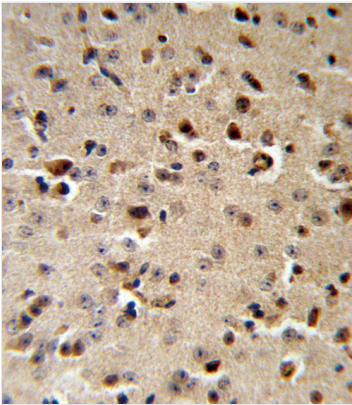
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TPH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-193 amino acids from the Central region of human TPH2.
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	168-193
Sequence Length	490
Applicable Applications for anti-TPH2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Tissue Location	Brain specific.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



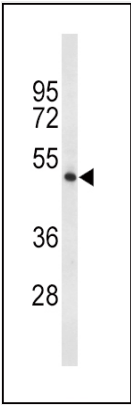
FCM/FACS (Flow Cytometry)

TPH2 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)

TPH2 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded mouse brain followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TPH2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of TPH2 Antibody (Center) in 293 cell line lysates (35ug/lane). TPH2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TPH2 antibody	This protein is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control.
Product Categories/Family for anti-TPH2 antibody	Neuroscience; Signal Transduction
References	Khatua,A.K., et.al., Virology 400 (1), 68-75 (2010) Koning,F.A., et.al., J. Virol. 83 (18), 9474-9485 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31795563
NCBI GeneID	121278
NCBI Accession #	NP_775489.2
NCBI GenBank Nucleotide #	NM_173353.3
UniProt Accession #	Q8IWU9; Q14CB0; A6NGA4

Molecular Weight	56057
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; ADHD7
NCBI Protein Information	tryptophan 5-hydroxylase 2
UniProt Protein Name	Tryptophan 5-hydroxylase 2
UniProt Gene Name	TPH2
UniProt Synonym Gene Names	NTPH
UniProt Entry Name	TPH2_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://www.aaabiotech.com/polyclonal/tph2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286065>