

Rabbit TPH2 Polyclonal Antibody | anti-TPH2 antibody

TPH2 antibody - middle region

CATALOG # AAA197735	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot
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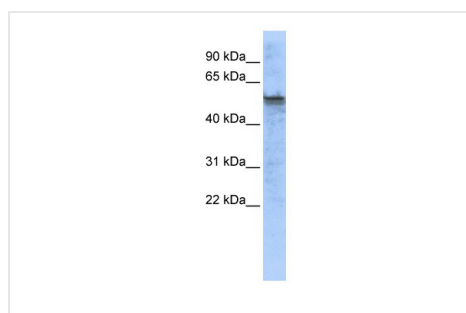
PRODUCT SYNONYMS

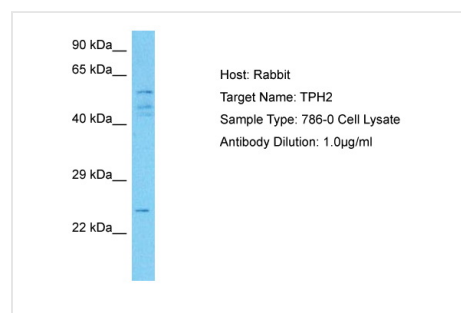
TPH2; Polyclonal Antibody; TPH2 antibody - middle region; anti-TPH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: KM RDFAKSITRP FSVYFNPTQ SIEILKDTRS IENVVQDLRS DLNTVCDA
Sequence Length	490
Applicable Applications for anti-TPH2 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TPH2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-TPH2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:500
Positive Control: Human brain

WB (Western Blot)

Host: Rabbit
Target Name: TPH2
Sample Tissue: Human 786-O Whole Cell
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TPH2 antibody	This is a rabbit polyclonal antibody against TPH2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Tryptophan hydroxylase (TPH; EC 1.14.16.4) is the rate-limiting enzyme in the synthesis of serotonin (5-hydroxytryptamine, or 5HT). 5HT is causally involved in numerous central nervous activities, and it has several functions in peripheral tissues, including the maintenance of vascular tone and gut motility. This gene encodes a member of the pterin-dependent aromatic acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The human genome contains two related tryptophan hydroxylases, one on chromosome 11p15-p14 and one on chromosome 12q21. This gene is expressed predominantly in the brain stem. Mutations in this gene may be associated with psychiatric diseases such as bipolar affective disorder and major depression. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by the mouse ortholog. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1805 AY098914.1 1-1805 1806-2360 AC090109.15 122981-123535
Product Categories/Family for anti-TPH2 antibody	Polyclonal; Drugs and Drug Metabolism; Cardiovascular; Stem Cells; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	31795563
NCBI GeneID	121278
NCBI Accession #	NP_775489
NCBI GenBank Nucleotide #	NM_173353
UniProt Accession #	Q8IWU9
Molecular Weight	56kDa
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.