

Rabbit anti-Human TPH2 Polyclonal Antibody | anti-TPH2 antibody

TPH2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279902	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

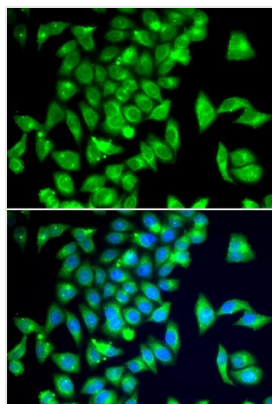
PRODUCT SYNONYMS

TPH2; Polyclonal Antibody; TPH2 Polyclonal Antibody; NTPH; ADHD7; anti-TPH2 antibody

PRODUCT SPECIFICATIONS

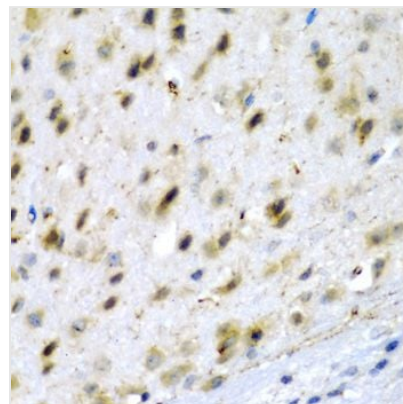
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	490
Applicable Applications for anti-TPH2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human TPH2
Calculated Molecular Weight	56kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



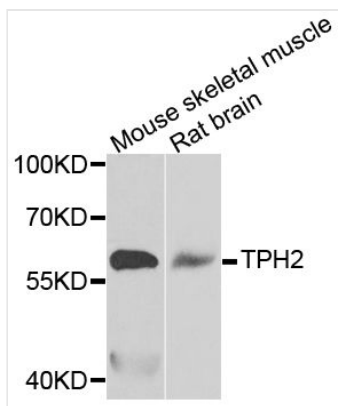
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using TPH2 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using TPH2 antibody at dilution of 1:200 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using TPH2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-TPH2 antibody	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.
Product Categories/Family for anti-TPH2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	30580625
NCBI GeneID	121278
UniProt Accession #	Q8IWU9; Q14CB0; A6NGA4
Molecular Weight	490
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; 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_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/tp2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/279902>