

Tryptophan Hydroxylase Polyclonal Antibody | anti-TPH1 antibody

Anti-Tryptophan Hydroxylase

CATALOG # AAA14234	APPLICATIONS Dot Blot, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Tryptophan Hydroxylase; Polyclonal Antibody; Anti-Tryptophan Hydroxylase; anti-TPH1 antibody

PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Specificity	Specific for the ~55k TPH protein in Western blots of human dorsal Raphe nucleus. Immunolabeling has been demonstrated in rat brain tissues. Based upon the relatively high degree of homology of tryptophan hydroxylase, the antibodies should cross-react with other mammalian species.
Purity/Purification	Affinity Purified Sheep polyclonal antibody.
Form/Format	100 ul in 150 mM NaCl, 10 mM HEPES (pH 7.5), 100 ug per ml BSA and 50% glycerol. Adequate amount of material to conduct 10-mini Western blots.
Sequence Length	444
Applicable Applications for anti-TPH1 antibody	DB (Dot Blot), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	DB: 1:1000 IHC: 1:1000 WB: 1:1000 Quality Control Tests: Western blots performed on each lot.
Preparation and Storage	Ships on blue ice. For long term storage -80°C is recommended, but shorter term storage at -20°C is also acceptable as aliquots may be taken without freeze/thawing due to the presence of 50% glycerol. Stock solutions are stable for a minimum of 1 year at -20°C.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-TPH1 antibody	Affinity purified sheep polyclonal antibody
References	- Haycock JW, Kumer SC, Lewis DA, Vrana KE, Stockmeier CA (2002) A monoclonal antibody to tryptophan hydroxylase: applications and identification of the epitope. J Neurosci Methods 114:205-212. - Martinez A, Knappskog PM, Haavik J (2001) A structural approach into human tryptophan hydroxylase and its implications for the regulation of serotonin biosynthesis. Curr Med Chem 8:1077-1091.

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
NCBI Official Full Name	tryptophan 5-hydroxylase 2
NCBI Official Symbol	TPH2
NCBI Protein Information	tryptophan 5-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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tryptophan-hydroxylase-antibody-dot-blot-immunohistochemistry-western-blot-elisa/14234>