

Datasheet for ABIN955350

**anti-Tryptophan Hydroxylase 2 antibody (Middle Region)****3** Images[Go to Product page](#)

## Overview

Quantity:	0.4 mL
Target:	Tryptophan Hydroxylase 2 (TPH2)
Binding Specificity:	AA 173-203, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tryptophan Hydroxylase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 173~203 amino acids from the Center region of human TPH2
Isotype:	Ig Fraction
Specificity:	This antibody detects Tryptophan 5-hydroxylase 2 (TPH2) (Center).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column followed by peptide affinity purification

## Target Details

Target:	Tryptophan Hydroxylase 2 (TPH2)
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## Target Details

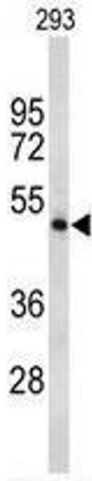
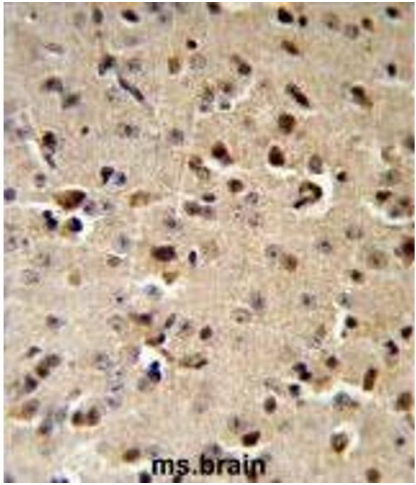
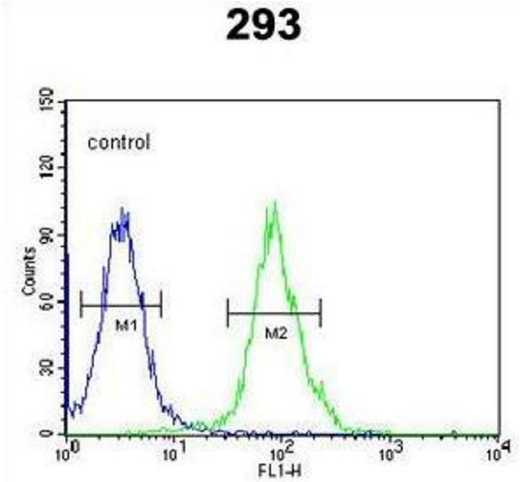
Alternative Name:	Tryptophan 5-Hydroxylase 2 (TPH2) ( <a href="#">TPH2 Products</a> )
Background:	This protein is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the 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. Synonyms: NTPH, Neuronal tryptophan hydroxylase, Tryptophan 5-monooxygenase 2
Gene ID:	121278
NCBI Accession:	<a href="#">NP_775489</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



Flow Cytometry

**Image 1.** 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.

Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** 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.

Western Blotting

**Image 3.** Western blot analysis of TPH2 Antibody (Center) in 293 cell line lysates (35 µg/lane). TPH2 (arrow) was detected using the purified Pab.