

TPH2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9177C

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q8IWU9
Other Accession	Q8CGU9 , Q8CGV2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22900
Calculated MW	56057
Antigen Region	168-193

Additional Information

Gene ID	121278
Other Names	Tryptophan 5-hydroxylase 2, Neuronal tryptophan hydroxylase, Tryptophan 5-monooxygenase 2, TPH2, NTPH
Target/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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TPH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TPH2
Synonyms	NTPH

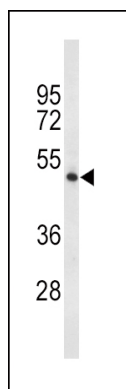
Background

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.

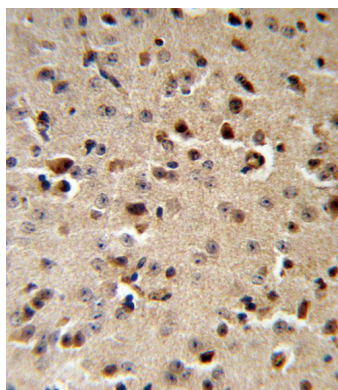
References

Khatua,A.K., et.al., Virology 400 (1), 68-75 (2010)
Koning,F.A., et.al., J. Virol. 83 (18), 9474-9485 (2009)

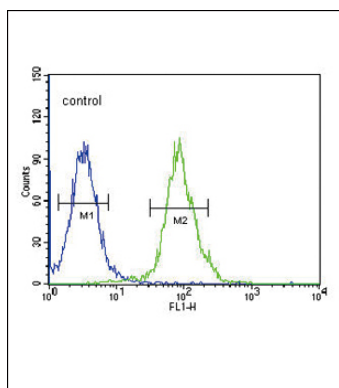
Images



Western blot analysis of TPH2 Antibody (Center) (Cat. #AP9177c) in 293 cell line lysates (35ug/lane). TPH2 (arrow) was detected using the purified Pab.



TPH2 Antibody (Center) (Cat. #AP9177c) 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.



TPH2 Antibody (Center) (Cat. #AP9177c) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.