

AP33143PU-N**Polyclonal Antibody to Tryptophan 5-hydroxylase 2 (TPH2) - Aff - Purified**

Alternate names:	NTPH, Neuronal tryptophan hydroxylase, Tryptophan 5-monoxygenase 2
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Uniprot ID:	Q8CGV2
NCBI:	10090
Host:	Goat
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_775567.2. AA Sequence: C-SLTQNKAIKSEDK
Format:	State: Liquid purified Ig fraction Purification: Antigen Affinity Chromatography Buffer System: Tris saline, pH~7.3 Preservatives: 0.02% Sodium Azide Stabilizers: 0.5% BSA
Applications:	Peptide ELISA: 1/32000 (Detection Limit). Western blot: Preliminary experiments gave an approx 85kDa band in Mouse fetal Brain lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 55.9kDa according to NP_775567.2. The 85kDa band was successfully blocked by incubation with the immunizing peptide. Immunohistochemistry on Paraffin Sections: 0.5-2 µg/ml. In paraffin embedded Mouse Brain stem shows staining of Raphe nuclei serotonergic neurons consistent with observation by different antibodies. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Mouse Tryptophan 5-hydroxylase 2. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Mari M, Bujny MV, Zeuschner D, Geerts WJ, Griffith J, Petersen CM, Cullen PJ, Klumperman J, Geuze HJ, SNX1 defines an early endosomal recycling exit for sortilin and mannose 6-phosphate receptors. Traffic (Copenhagen, Denmark) 2008 Mar 9 (3): 380-93.

Pictures:

AP33143PU-N (0.5 µg/ml) staining of paraffin embedded Mouse Brain stem in sagittal (left) and coronal (right) sections of Raphe nuclei. Detection Alexa 594. *Data obtained from Prof. D Crane, Griffith Univeristy, Brisbane, Australia.*

