



Goat anti-Tryptophan hydroxylase 2 / TPH2 Antibody

Item Number	dAP-0750
Target Molecule	Principle Name: Tryptophan hydroxylase 2 / TPH2; Official Symbol: TPH2; All Names and Symbols: TPH2; tryptophan hydroxylase 2; HGNC:20692; FLJ37295; NTPH ; neuronal tryptophan hydroxylase; ADHD7; MGC138871; MGC138872; tryptophan 5-monoxygenase 2; Accession Number (s): NP_775489.2; Human Gene ID(s): 121278; Non-Human GeneID(s):
Immunogen	NKPNSGKNDDKGNK, is from internal region
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Preliminary experiments in human brain lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml).
IHC	Immunohistochemistry: In paraffin embedded Human Brain Stem shows layered neuronal staining. Recommended concentration: 4-6µg/ml.
Reference	Reference(s): Zhou Z, Roy A, Lipsky R, Kuchipudi K, Zhu G, Taubman J, Enoch MA, Virkkunen M, Goldman D. Haplotype-based linkage of tryptophan hydroxylase 2 to suicide attempt, major depression, and cerebrospinal fluid 5-hydroxyindoleacetic acid in 4 populations. Arch Gen Psychiatry. 2005 Oct;62(10):1109

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**