

Goat anti-Tph2 (mouse) Antibody

Item Number	dAP-2454
Target Molecule	Principle Name: Tph2 (mouse); Official Symbol: Tph2; All Names and Symbols: Tph2; tryptophan hydroxylase 2; AU043594; MGC159133; Ntph; OTTMUSP00000022885; neuronal tryptophan hydroxylase; tryptophan 5-hydroxylase 2; tryptophan 5-monooxygenase 2; Accession Number (s): NP_775567.2; Human Gene ID(s): ; Non-Human GeneID(s): 216343 (mouse)
Immunogen	SLTQNKAIAKSEDK, is from internal region
Applications	Pep ELISA, IHC Species Tested: Mouse
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 32000.
Western Blot	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
IHC	Immunohistochemistry: In paraffin embedded Mouse Brain stem shows staining of Raphe nuclei serotonergic neurons consistent with observation by different antibodies. Recommended concentration, 0.5-2µg/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

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 end users! This product is sold for **Research Use Only**