

Goat anti-TPH2 (aa16-29) Antibody

Item Number	dAP-2464
Target Molecule	Principle Name: TPH2 (aa16-29); Official Symbol: TPH2; All Names and Symbols: TPH2; tryptophan hydroxylase 2; ADHD7; FLJ37295; MGC138871; MGC138872; NTPH; neuronal tryptophan hydroxylase; tryptophan 5-hydroxylase 2; tryptophan 5-monooxygenase 2; Accession Number (s): NP_775489.2; Human Gene ID(s): 121278; Non-Human GeneID(s): 216343 (mouse) 317675 (rat)
Immunogen	RGFSLDSAVPEEHQ, is from N Terminus
Applications	Pep ELISA, WB 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 128000.
Western Blot	Western Blot: Approx 60kDa band observed in lysates of cell line HEK293 (calculated MW of 56.1kDa according to NP_775489.2). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.
IHC	
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 ender users! This product is sold for **Research Use Only**