

Goat anti-SLC6A3 / DAT Antibody

Item Number	dAP-2574
Target Molecule	Principle Name: SLC6A3 / DAT; Official Symbol: SLC6A3; All Names and Symbols: SLC6A3; solute carrier family 6 (neurotransmitter transporter, dopamine), member 3; DAT; DAT1; DA transporter; sodium-dependent dopamine transporter; solute carrier family 6 member 3; Accession Number (s): NP_001035.1; Human Gene ID(s): 6531; Non-Human GeneID(s):
Immunogen	QLTSSTLTNPRQSP, is from internal region (near 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 4000.
Western Blot	Western Blot: Approx 85kDa band observed in Human Brain (Substantia nigra) lysates (calculated MW of 68.5kDa according to NP_001035.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Mazei-Robison e
IHC	
Reference	Reference(s): Brown AB, Biederman J, Valera E, Makris N, Doyle A, Whitfield-Gabrieli S, Mick E, Spencer T, Faraone S, Seidman L. Relationship of DAT1 and adult ADHD to task-positive and task-negative working memory networks. Psychiatry Res. 2011 Jul 30;193(1):7-16. Epub 2011 May 18..PMID: 21596533->

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**