

## Goat anti-GAT1 / SLC6A1 Antibody

**Item Number** dAP-2772

**Target Molecule** Principle Name: GAT1 / SLC6A1; Official Symbol: SLC6A1; All Names and Symbols: SLC6A1; solute carrier family 6 (neurotransmitter transporter, GABA), member 1; GABATHG; GABATR; GAT1; Accession Number (s): NP\_003033.3; Human Gene ID(s): 6529; Non-Human GenelD(s): 79212 (rat)

**Immunogen** EQPQAGSSTSKE, is from C Terminus

**Applications** Pep ELISA

Species Tested:

**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: Preliminary experiments gave bands at approx 50kDa and 37kDa in Human Brain (Cerebellum) lysates after 2µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the c

**IHC**

**Reference** Reference(s): de Krom M, Staal WG, Ophoff RA, Hendriks J, Buitelaar J, Franke B, de Jonge MV, Bolton P, Collier D, Curran S, van Engeland H, van Ree JM. A common variant in DRD3 receptor is associated with autism spectrum disorder. *Biol Psychiatry*. 2009 Apr 1;65(7):625-30. PMID: 19058789->

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**