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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09420 - Goat Anti-GAT1 / SLC6A1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SLC6A1, solute carrier family 6 (neurotransmitter transporter, GABA), member 1, GABATHG, GABATR, GAT1

Official Symbol: SLC6A1

Accession Number(s): NP_003033.3

Human GeneID(s): [6529](#)

Non-Human GeneID(s): 79212 (rat)

Immunogen

Peptide with sequence C-EQPQAGSSTSKE, from the C Terminus of the protein sequence according to NP_003033.3.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

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 calculated size of 67.1kDa according to NP_003033.3. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands).

Species Reactivity

Tested:

Expected from sequence similarity: Human, Rat, Dog