

GAT1 / SLC6A1 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2969a

Specification

GAT1 / SLC6A1 Antibody (C-Term) - Product Information

Application	E
Primary Accession	P30531
Other Accession	NP_003033.3 , 6529 , 79212 (rat)
Predicted	Human, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	67074

GAT1 / SLC6A1 Antibody (C-Term) - Additional Information

Gene ID 6529

Other Names

Sodium- and chloride-dependent GABA transporter 1, GAT-1, Solute carrier family 6 member 1, SLC6A1, GABATR, GABT1, GAT1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GAT1 / SLC6A1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GAT1 / SLC6A1 Antibody (C-Term) - Protein Information

Name SLC6A1

Synonyms GABATR, GABT1, GAT1

Function

Mediates transport of gamma-aminobutyric acid (GABA) together with sodium and chloride and is responsible for the reuptake of GABA from the synapse (PubMed:30132828). The translocation of GABA, however, may also occur in the reverse direction leading to the release of GABA (By similarity). The direction and magnitude of GABA transport is a consequence of the

prevailing thermodynamic conditions, determined by membrane potential and the intracellular and extracellular concentrations of Na(+), Cl(-) and GABA (By similarity). Can also mediate sodium- and chloride-dependent transport of hypotaurine but to a much lower extent as compared to GABA (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P23978}; Multi-pass membrane protein. Presynapse {ECO:0000250|UniProtKB:P31648}. Note=Localized at the presynaptic terminals of interneurons. {ECO:0000250|UniProtKB:P31648}

GAT1 / SLC6A1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GAT1 / SLC6A1 Antibody (C-Term) - Images**GAT1 / SLC6A1 Antibody (C-Term) - References**

A common variant in DRD3 receptor is associated with autism spectrum disorder. 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. Biol Psychiatry. 2009 Apr 1;65(7):625-30. PMID: 19058789