

Anti-SLC6A1 / GAT-1 Antibody (Internal)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17344**Specification**

Anti-SLC6A1 / GAT-1 Antibody (Internal) - Product Information

Application	WB, IHC-P, IP
Primary Accession	P30531
Predicted	Human, Mouse, Rat, Monkey, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67074

Anti-SLC6A1 / GAT-1 Antibody (Internal) - Additional Information**Gene ID** 6529**Alias Symbol** SLC6A1**Other Names**

SLC6A1, GABA transporter, GABA transporter 1, GABT1, GAT1, GABATHG, GABATR, GAT-1, GAT 1

Target/Specificity

Recognizes endogenous levels of GAT1 protein.

Reconstitution & Storage

PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

Anti-SLC6A1 / GAT-1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SLC6A1 / GAT-1 Antibody (Internal) - 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](http://www.uniprot.org/citations/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}

Anti-SLC6A1 / GAT-1 Antibody (Internal) - 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](#)

Anti-SLC6A1 / GAT-1 Antibody (Internal) - Images