

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

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

Application	WB, IHC-P, IP
Primary Accession	<a href="#">P30531</a>
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**