

SLC6A1 / GAT1 Antibody
Rabbit mAb
Catalog # AP91743**Specification****SLC6A1 / GAT1 Antibody - Product Information**

Application	WB
Primary Accession	P30531
Reactivity	Rat
Clonality	Monoclonal
Other Names	
GABATHG; GABATR; GABT1; GAT1; Slc6a1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	67074 Da

SLC6A1 / GAT1 Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SLC6A1 / GAT1
Description	Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

SLC6A1 / GAT1 Antibody - 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

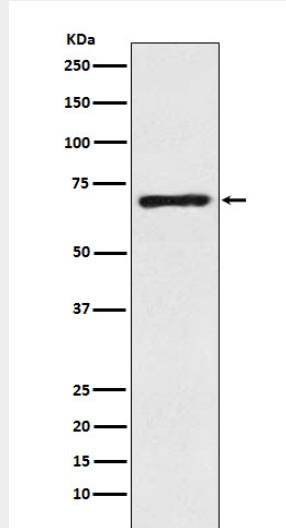
Cell membrane {ECO:0000250|UniProtKB:P23978}; Multi-pass membrane protein. Presynapse {ECO:0000250|UniProtKB:P31648}. Note=Localized at the presynaptic terminals of interneurons. {ECO:0000250|UniProtKB:P31648}

SLC6A1 / GAT1 Antibody - 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](#)

SLC6A1 / GAT1 Antibody - Images



Western blot analysis of GABA Transporter 1 / GAT 1 expression in Human fetal brain lysate.