

Anti-SLC6A1 / GAT-1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17344

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
Concentration (mg/ml)	1 mg/ml

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.

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}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.