

GABA T-1 Polyclonal Antibody

Catalog # AP74027

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P30531
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67074

Additional Information

Gene ID	6529
Other Names	Sodium- and chloride-dependent GABA transporter 1 (GAT-1) (Solute carrier family 6 member 1)
Dilution	WB~~WB 1:500-2000, ELISA 1:10000-20000 IHC-P~~WB 1:500-2000, ELISA 1:10000-20000 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

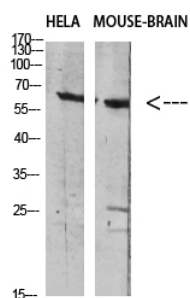
Protein Information

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}

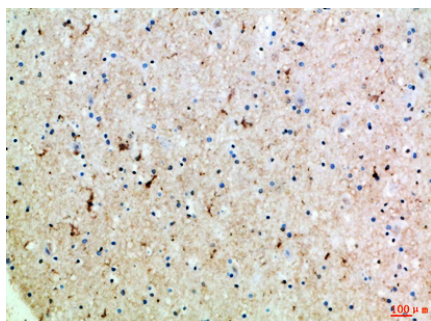
Background

Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals.

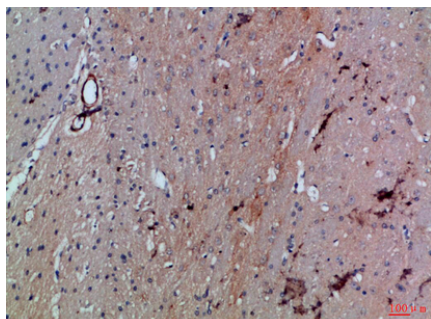
Images



Western blot analysis of HELA MOUSE-BRAIN Cell Lysate using antibody. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Rat-brain, antibody was diluted at 1:100

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