ARG52308
anti-GAT2 / GABA Transporter 2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GAT2/GABA Transporter2
Tested Reactivity	Rat
Predict Reactivity	Ms
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GAT2 / GABA Transporter 2
Species	Rat
Immunogen	Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	GAT-2; Solute carrier family 6 member 13; Sodium- and chloride-dependent GABA transporter 2; GAT2; GAT3

Application Instructions

Application table

Application	Dilution
IHC-P	1:100-1:200

Application Note: Specific for the ~82k GAT-2 protein.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 171163 Rat
	Swiss-port # P31646 Rat
Gene Symbol	SLC6A13
Gene Full Name	solute carrier family 6 (neurotransmitter transporter), member 13
Background	Gamma-aminobutyric acid (GABA) is the primary inhibitory neurotransmitter in the central nervous system, causing a hyperpolarization of the membrane through the opening of a Cl– channel associated with the GABAA receptor (GABAA-R) subtype. GABA plasma membrane transporters (GATs) influence synaptic neurotransmission by highaffinity uptake and release of GABA. To date, four distinct GABA transporters have been identified: GAT-1, GAT-2, GAT-3, and BGT-1. GAT-2 is found in a wide range of neuronal and non-neuronal cells including dendrites and axon terminals as well as epithelial cells and cells forming the pia and arachnoid complex (Conti et al., 1999).
Research Area	Neuroscience antibody
Calculated Mw	68 kDa