

GABA Transporter (GAT) 2 Antibody
Affinity purified rabbit polyclonal antibody
Catalog # AN1129

Specification

GABA Transporter (GAT) 2 Antibody - Product Information

Application	IHC
Primary Accession	P31646
Reactivity	Rat
Predicted	Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	82 KDa

GABA Transporter (GAT) 2 Antibody - Additional Information

Gene ID	171163
Gene Name	SLC6A13

Other Names

Sodium- and chloride-dependent GABA transporter 2, GAT-2, Solute carrier family 6 member 13, Slc6a13, Gabt2, Gat-2

Target/Specificity

Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH.

Dilution

IHC~~1:100~500

Format

Prepared from rabbit serum by affinity purification.

Antibody Specificity

Specific for the ~82k GAT-2 protein.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GABA Transporter (GAT) 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

GABA Transporter (GAT) 2 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](#)

GABA Transporter (GAT) 2 Antibody - Images

GABA Transporter (GAT) 2 Antibody - 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 high-affinity 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).

GABA Transporter (GAT) 2 Antibody - References

Conti F, Zucharello LV, Barbaresi P, Minelli A, Brecha NC, Melone M, (1999) Neuronal, glial, and epithelial localization of gamma-aminobutyric acid transporter 2, a high affinity gamma-aminobutyric acid plasma membrane transporter, in the cerebral cortex and neighboring structures. *J. Comp Neurol.* 409(3): 482-494.