

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

---

**GABA Transporter (GAT) 2 Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P31646</a>
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.

**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<sup>-</sup> 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, Zucharek 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.