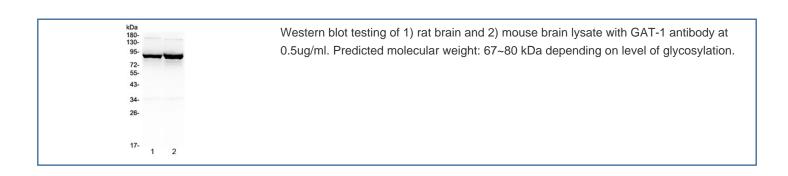


GAT-1 Antibody / GABA Transporter 1 / SLC6A1 (N-Terminal Region) (R32967)

Catalog No.	Formulation	Size
R32967	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P30531
Localization	Membrane
Applications	Western Blot : 0.5-1ug/ml
Limitations	This GAT-1 antibody is available for research use only.



Description

GABA transporter 1 (GAT1), also known as sodium- and chloride-dependent GABA transporter 1, is a protein that in humans is encoded by the SLC6A1 gene. GABA Transporter 1 uses Na+ and CI- to create a gradient, which removes or adds GABA to extracellular spaces in the cerebrum and cerebellum. The stoichiometry for GABA Transporter 1 is 2 Na+: 1 CI-: 1 GABA. The activity of GAT1 is largely dependent on the presence of Na+, while CI- assists by increasing the

ability for GAT-1 to uptake GABA.

Application Notes

Optimal dilution of the GAT-1 antibody should be determined by the researcher.

Immunogen

Amino acids 23-54 (ANDKPKTLVVKVQKKAADLPDRDTWKGRFDFL) were used as the immunogen for the GAT-1 antibody.

Storage

After reconstitution, the GAT-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.