.-online.com antibodies

Datasheet for ABIN3032687 anti-SLC6A1 antibody (C-Term)

3 Images



Overview

Quantity:	100 µg
Target:	SLC6A1 (GAT1)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC6A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	An amino acid sequence from the C-terminus of human GABA Transporter 1
	(WFYGVNRFYDNIQEM) was used as the immunogen for this GAT-1 antibody (100%
	homologous in human, mouse and rat).

Purification: Antigen affinity

lgG

Target Details

Isotype:

Target:	SLC6A1 (GAT1)
Alternative Name:	GAT-1 (GAT1 Products)
Background:	SLC6A1 (Solute Carrier family 6(Neurotransmitter transporter, Gaba), Member 1), also called
	GABATR, GABATHG and GAT-1, encodes a gamma-aminobutyric acid (GABA) transporter,

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN3032687 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

	which removes GABA from the synaptic cleft. Zomot et al.(2007) showed that introduction of a
	negatively charged amino acid at or near one of the two putative sodium binding sites of GAT-1
	from rat brain renders both net flux and exchange of GABA largely chloride independent. By in
	vitro functional expression studies, the GAT-1 insertion promoter (two copies of the sequence)
	had significantly greater promoter activity than the noninsertion (one copy of the sequence)
	promoter, which in turn had greater activity than a promoterless control. Studies of postmortem
	hippocampus from 69 African American individuals showed that overall expression decreased
	with age.
UniProt:	P30531
Application Details	
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL
Application Notes: Restrictions:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only
Application Notes: Restrictions:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only
Application Notes: Restrictions: Handling	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only
Application Notes: Restrictions: Handling Buffer:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Application Notes: Restrictions: Handling Buffer: Storage:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\ Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water -20 °C
Application Notes: Restrictions: Handling Buffer: Storage: Storage Comment:	The stated application concentrations are suggested starting amounts. Titration of the GAT-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\ Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL For Research Use only 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water -20 °C After reconstitution, the GAT-1 antibody can be stored for up to one month at 4°C. For long-

Images



Immunohistochemistry

Image 1. IHC-P: GAT-1 antibody testing of rat brain tissue

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN3032687 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Images



Western Blotting

Image 2. Western blot testing of GAT-1 antibody and Lane 1: rat brain; 2: mouse brain tissue lysate. Predicted size: 67~80 depending on level of glycosylation. The ~35KD band in uncharacterized.

Western Blotting

Image 3. Western blot testing of GAT-1 antibody and Lane1: rat brain

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN3032687 | 09/11/2023 | Copyright antibodies-online. All rights reserved.