

# Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

## GABA Transporter 1 / GAT 1 antibody

RRID:AB\_2189971

Type: Antibody

### Proper Citation

Abcam Cat# ab426, RRID:AB\_2189971

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2189971](http://antibodyregistry.org/AB_2189971)

**Proper Citation:** Abcam Cat# ab426, RRID:AB\_2189971

**Target Antigen:** SLC6A1

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** validation status unknown, seller recommendations provided in 2012:western blot, immunohistochemistry

**Antibody Name:** GABA Transporter 1 / GAT 1 antibody

**Description:** This polyclonal targets SLC6A1

**Target Organism:** chicken, mouse, human

**Antibody ID:** AB\_2189971

**Vendor:** Abcam

**Catalog Number:** ab426

**Record Creation Time:** 20250820T015832+0000

**Record Last Update:** 20250820T122137+0000

### Ratings and Alerts

No rating or validation information has been found for GABA Transporter 1 / GAT 1 antibody.

No alerts have been found for GABA Transporter 1 / GAT 1 antibody.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 9 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [SPARC SAWG](#) .

Targa G, et al. (2025) Altered GABAergic Homeostasis in the Striatum of Dopamine Transporter Knockout Rats. *Current neuropharmacology*, 23(11), 1470.

Misrani A, et al. (2024) Vibration-reduced anxiety-like behavior relies on ameliorating abnormalities of the somatosensory cortex and medial prefrontal cortex. *Neural regeneration research*, 19(6), 1351.

Lin YH, et al. (2023) Ketone bodies promote stroke recovery via GAT-1-dependent cortical network remodeling. *Cell reports*, 42(4), 112294.

Jones-Muhammad M, et al. (2022) Increased seizure sensitivity in pregnant mice with genetic knockdown of acid sensing ion channel 2a is associated with impaired hippocampal inflammatory response. *Frontiers in physiology*, 13, 983506.

Tzeng HR, et al. (2021)  $\gamma$ -GABAA Receptor Positive Modulators Alleviate Migraine-like Grimaces in Mice via Compensating GABAergic Deficits in Trigeminal Ganglia. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 18(1), 569.

Lin Y, et al. (2021) Environmental enrichment implies GAT-1 as a potential therapeutic target for stroke recovery. *Theranostics*, 11(8), 3760.

Zheng J, et al. (2020) Interneuron Accumulation of Phosphorylated tau Impairs Adult Hippocampal Neurogenesis by Suppressing GABAergic Transmission. *Cell stem cell*, 26(3), 331.

Kammel LG, et al. (2018) Enhanced GABAergic Tonic Inhibition Reduces Intrinsic Excitability of Hippocampal CA1 Pyramidal Cells in Experimental Autoimmune Encephalomyelitis. *Neuroscience*, 395, 89.

Yu X, et al. (2018) Reducing Astrocyte Calcium Signaling In Vivo Alters Striatal Microcircuits and Causes Repetitive Behavior. *Neuron*, 99(6), 1170.