

GAT-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253157

Unit: 0.1 ml

Description:

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 chloride 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-1, the most abundant of the transporters, is found predominantly in neurons, but also in some specialized glia. GAT-1 is thought to play a key role in epileptogenesis.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: M, R

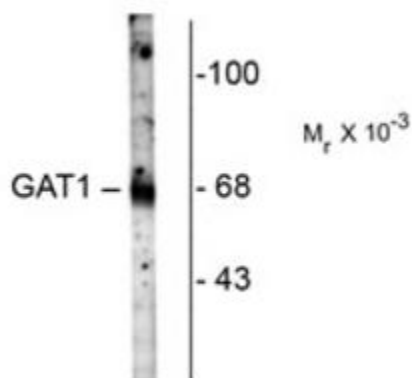
Format: Each vial contains 0.1 ml IgG in HEPES (pH7.5), 0.01% BSA, with 50% glycerol. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Sodium- and chloride-dependent GABA transporter 1; GAT-1; Solute carrier family 6 member 1; Slc6a1; Gabt1, Gat-1, Gat1

Accession No.: P23978

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of rat GABA transporter (GAT) 1.

Application Notes: E: 1:500-1:1,000; WB: 1:1,000; IHC: 1:100-1:200



The GAT-1 Antibody (Cat. No. 253157) is used in Western blot to detect GAT-1 protein in rat hippocampus tissue lysate.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.