



6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

Alexa488-labeled Antibody to GAT-1
RABBIT POLYCLONAL

Catalog Number: FL-N37
Quantity: 50 micrograms
Format: 50% PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 50% glycerol; no preservative.
Host: Rabbit
Immunogen: a peptide from the GAT-1 extracellular domain

Background:

GAT-1 is a sodium-coupled neurotransmitter transporter responsible for moving γ -aminobutyric acid (GABA) across cell membranes. GABA is the predominant inhibitory neurotransmitter in the mammalian central nervous system. GAT-1 is widely distributed in both the central and peripheral nervous systems. GAT-1 and GABA are present in numerous neuronal pathways, some of which are implicated in epilepsy, sleep disorders, neuropathic pain, and attention deficit disorders.

Specificity and Preparation:

This antibody recognizes the γ -aminobutyric acid (GABA)-1 transporter, GAT-1, in rat. The antibody is an affinity-purified rabbit polyclonal. It has been conjugated to the fluorescent dye Alexa488. The peptide used as an antigen has 100% sequence homology between rat, human, mouse, and bovine GAT-1.

Usage and Storage:

Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. The material can be handled safely using normal laboratory precautions. See Lot Number for lot-specific storage instructions.

To view protocol(s) for this and other products please visit: www.ATSBio.com/support/protocols