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Datasheet for ABIN6658282

anti-SLC6A13 antibody (C-Term)

Overview

Quantity:	100 µL
Target:	SLC6A13
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Anti-GABA Transporter 2 Antibody was produced in rabbit by repeated immunizations with synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH. Immunogen Type: Peptide
Isotype:	IgG
Purification:	Anti-GAT2 antibody is directed against rat GAT2 protein. GABA Transporter 2 antibodies are affinity purified from monospecific antiserum by immunoaffinity purification. Reactivity is expected from the following species based on 100% sequence homology: mouse.

Target Details

Target:	SLC6A13
Alternative Name:	GABA Transporter 2 (GAT2) (SLC6A13 Products)

Target Details

Background:	<p>Synonyms: Sodium- and chloride-dependent GABA transporter 2, Solute carrier family 6 member 13</p> <p>Background: GAT2 Antibody detects rat GAT2 protein. 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 Cl⁻ 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-2 is found in a wide range of neuronal and non-neuronal cells including dendrites and axon terminals as well as epithelial cells and cells forming the pia and arachnoid complex. Anti-GAT2 Antibody is ideal for investigators involved in Neuroscience.</p> <p>Gene Name: SLC6A13</p>
Gene ID:	171163
NCBI Accession:	NP_598307
UniProt:	P31646

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:100-200</p> <p>Application Note: Anti-GAT2 (Rabbit) Antibody is suitable for use in IHC. This antibody is not recommended for use in Western Blotting. Specific conditions for reactivity should be optimized by the end user. GAT2 antibody is specific for the approximately 82 kDa in size GABA Transporter 2 protein.</p> <p>Western Blot Dilution: not recommended</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5</p> <p>Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol</p>
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and

thawing. Dilute only prior to immediate use.