

Product datasheet for **AP10554SU-N**

Slc6a11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/200-1/5000. Immunohistochemistry: 1/50-1/500.
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A 15 residue synthetic peptide derived from C-terminal domain of Rat GAT-3
Specificity:	This antibody reacts with 74 kDa GAT-3 from Rat, Mouse and Human central nervous system.
Formulation:	State: Serum State: Lyophilized powder
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 6 member 11
Database Link:	Entrez Gene 79213 Rat P31647
Background:	<i>Gamma</i> -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-3 has been found to be localized to astrocytes within the cerebral cortex indicating that this transporter mediates GABA uptake into glial cells (Minelli et al., 1996).



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Synonyms: GABT3, GAT-3