

## Rabbit Anti-GABA Transporter 3/Cy5 Conjugated antibody

SL13260R-Cy5

<b>Product Name</b>	Anti-GABA Transporter 3/Cy5
<b>Chinese Name</b>	Cy5 标记的 $\gamma$ 氨基丁酸运载蛋白 3 抗体
<b>Alias</b>	GABT3; GAT-3; GAT3; S6A11_HUMAN; Slc6a11; Sodium- and chloride-dependent GABA transporter 3; SOLUTE CARRIER FAMILY 6 (NEUROTRANSMITTER TRANSPORTER, GABA), MEMBER 11; Solute carrier family 6 member 11.
<b>Research Area</b>	Cell biology Neurobiology Transporter
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human(predicted:Mouse,Rat)
<b>Applications</b>	Flow-Cyt=1ug/test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	71kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human GABA Transporter 3/GAT 3
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> Gamma-aminobutyric acid (GABA) is a major inhibitory neurotransmitter. GABAergic neurotransmission is terminated by the uptake of GABA into the

presynaptic terminal and the surrounding astroglial cells by sodium-dependent transporters, such as SLC6A11 (Borden et al., 1994 [PubMed 7874447]).[supplied by OMIM, Nov 2010]

**Function:**

Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals.

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Widespread distribution in the brain.

**Similarity:**

Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A11 subfamily.

**Database links:**

[Entrez Gene: 6538](#) Human

[Omid: 607952](#) Human

[SwissProt: P48066](#) Human

[Unigene: 657405](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.