SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-SLC32A1 antibody

SL19821R

Product Name:	SLC32A1
Chinese Name:	溶质载体家族蛋白32成员A1抗体
Alias:	bA122O1.1; GABA and glycine transporter; hVIAAT; SLC32A 1; Slc32a1; solute carrier family 32 (GABA vesicular transporter) member 1; Solute carrier family 32 member 1; Vesicular GABA Amino Acid Transporter; Vesicular GABA transporter; Vesicular inhibitory amino acid transporter; VGAT; VIAAT; VIAAT_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC30A9:351-450/525
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is an integral membrane protein involved in gamma-aminobutyric acid (GABA) and glycine uptake into synaptic vesicles. The encoded protein is a member of amino acid/polyamine transporter family II. [provided by RefSeq, Jul 2008]

Function:
Involved in the uptake of GABA and glycine into the synaptic vesicles.

Subcellular Location:
Cytoplasmic vesicle membrane.

Tissue Specificity:
Retina. Expressed throughout the horizontal cells or more specifically at the terminals.

Similarity:
Belongs to the amino acid/polyamine transporter 2 family.

SWISS:
Q9H598

Gene ID:
140679

Database links:

Entrez Gene: 140679 Human

Entrez Gene: 22348 Mouse

Entrez Gene: 83612 Rat

SwissProt: Q9H598 Human

SwissProt: O35633 Mouse

SwissProt: O35458 Rat

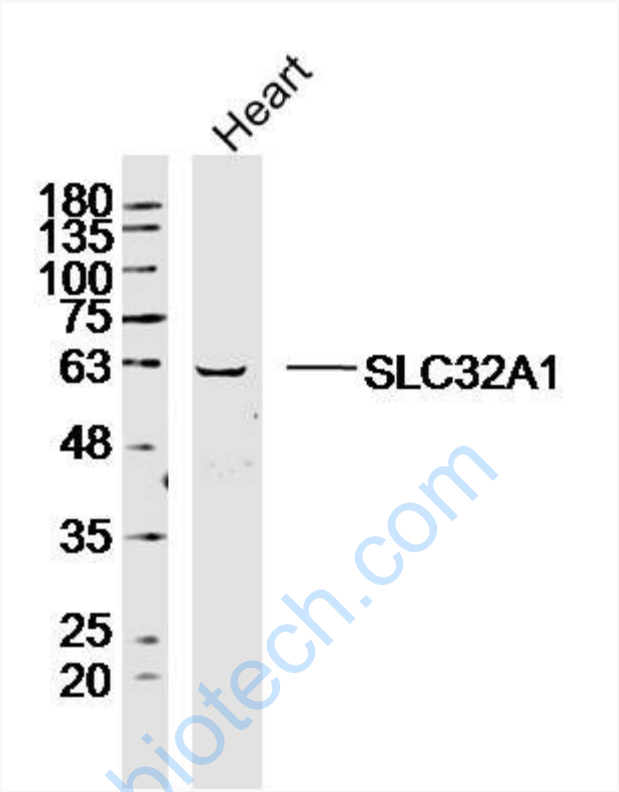
Unigene: 179080 Human

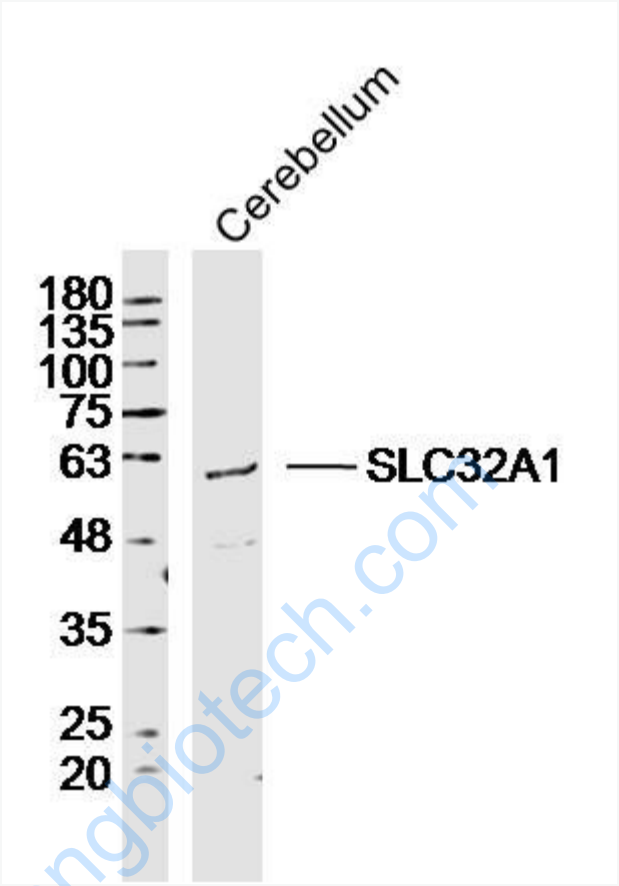
Unigene: 143404 Mouse

Unigene: 413854 Mouse

Unigene: 10846 Rat

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

Picture:	 Sample:heart (Mouse) Lysate at 40 ug Primary: Anti-SLC32A1(SL19821R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 57kD Observed band size: 60kD



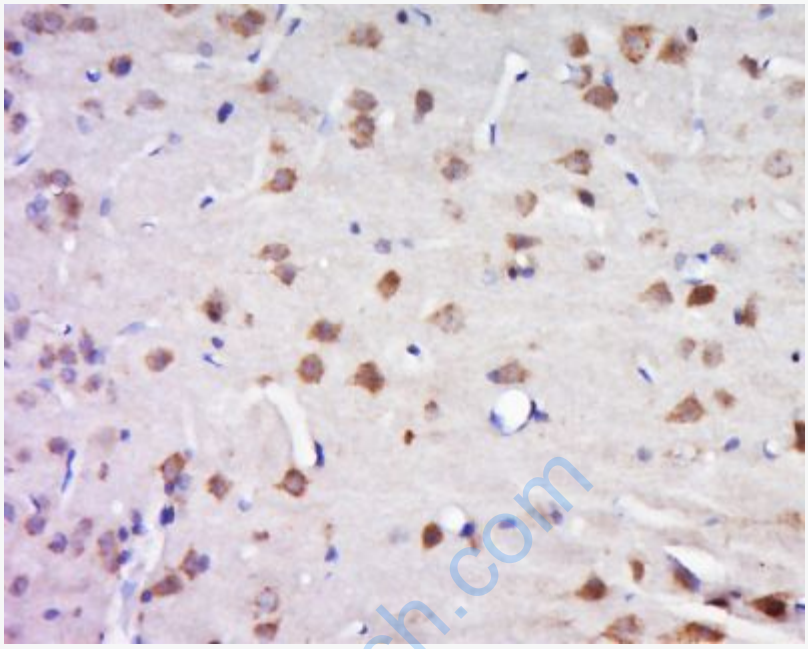
Sample:Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti-SLC32A1(SL19821R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 57kD

Observed band size: 57kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-SLC32A1 Polyclonal Antibody, Unconjugated(SL19821R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining