



Rabbit Anti-SLC1A4 antibody

SL19803R

Product Name:	SLC1A4
Chinese Name:	溶质载体家族蛋白1成员A4抗体
Alias:	Alanine/serine/cysteine/threonine transporter 1; ASCT-1; ASCT1; AW045657; Glutamate/neutral amino acid transporter; Neutral amino acid transporter A; OTTHUMP00000159933; OTTHUMP00000235138; SATT; SATT_HUMAN; SLC1A4; Solute carrier family 1 (glutamate/neutral amino acid transporter), member 4; Solute carrier family 1 member 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
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:	56kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC1A4:121-220/532<Extracellular>
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:	Links between Gene and PubMed are the result of the following: 1. Manual curation within NCBI. Part of the process of generating a REVIEWED RefSeq is an analysis of

the current literature. Papers that are seminal in defining the gene, its sequence, and its function are added to the record at that time. Alert users point out gaps or errors in papers associated with a Gene record. These messages are reviewed and implemented as required. 2. Integration of information from other public databases. Gene integrates gene-citation from resources external to NCBI such as model organism-specific databases, Gene Ontology (GO), groups curating interactions, and sequence databases. The assumption in using these source is that they report citations specific to a gene in a known species. Gene does not process citations from OMIM automatically, because many of citations in OMIM refer to studies of genes in species other than human.

Function:

Transporter for alanine, serine, cysteine, and threonine. Exhibits sodium dependence.

Subcellular Location:

Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Tissue Specificity:

Expressed mostly in brain, muscle, and pancreas but detected in all tissues examined.

Similarity:

Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A4 subfamily.

SWISS:

P43007

Gene ID:

6509

Database links:

[Entrez Gene: 326577](#) Cow

[Entrez Gene: 6509](#) Human

[Entrez Gene: 55963](#) Mouse

[Entrez Gene: 305540](#) Rat

[Omid: 600229](#) Human

[SwissProt: A2VDL4](#) Cow

[SwissProt: P43007](#) Human

[SwissProt: O35874](#) Mouse

[Unigene: 654352](#) Human

[Unigene: 6379](#) Mouse

[Unigene: 52251](#) Rat

Important Note:

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

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