

SLC1A4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57668

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P43007
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55723
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC1A4
Epitope Specificity	121-220/532
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
SIMILARITY	Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A4 subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	6509
Other Names	Neutral amino acid transporter A, Alanine/serine/cysteine/threonine transporter 1, ASCT-1, SATT, Solute carrier family 1 member 4, SLC1A4, ASCT1, SATT
Target/Specificity	Expressed mostly in brain, muscle, and pancreas but detected in all tissues

examined.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	SLC1A4 {ECO:0000303 PubMed:7896285, ECO:0000312 HGNC:HGNC:10942}
Function	Sodium-dependent neutral amino-acid transporter that mediates transport of alanine, serine, cysteine, proline, hydroxyproline and threonine.
Cellular Location	Membrane; Multi- pass membrane protein. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV
Tissue Location	Expressed mostly in brain, muscle, and pancreas but detected in all tissues examined.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.