Rabbit SLC1A4 / ASCT1 Polyclonal Antibody | anti-SLC1A4 antibody

Rabbit Polyclonal to Human SLC1A4 / ASCT1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51314	**Rabbit**	**Gibbon, Gorilla, HumanPredicted Reactivity: Monkey (at least 90% immunogen sequence identity)**	**Immunohistochemistry**

PRODUCT SYNONYMS

SLC1A4 / ASCT1; Polyclonal Antibody; Rabbit Polyclonal to Human SLC1A4 / ASCT1; Anti-SLC1A4 / ASCT1 Antibody (Internal) IHC-plus; SLC1A4; ASCT1; SATT; ASCT-1; Human SLC1A4; anti-SLC1A4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Gorilla, Human **Predicted Reactivity:** Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human SLC1A4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	532
Applicable Applications for anti-SLC1A4 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 18 amino acid peptide from internal region of human SLC1A4. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Marmoset (100%); Monkey (94%); Dog, Hamster (89%); Mouse, Bovine, Elephant, Horse (83%).
Immunogen Type	Synthetic peptide
Immunogen	SLC1A4 / ASCT1 antibody was raised against synthetic 18 amino acid peptide from internal region of human SLC1A4. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Marmoset (100%); Monkey (94%); Dog, Hamster (89%); Mouse, Bovine, Elephant, Horse (83%).
Antigen Modification	Internal
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Anti-SLC1A4 antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

IHC (Immunohistochemistry)
Anti-SLC1A4 antibody IHC of human brain, basal ganglia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A4 antibody	ASCT1 functions primarily as a neutral amino acid exchanger. ASCT 1-mediated transport requires the presence of sodium ions but ASCT1 mediates only homo- and hetero exchange of amino acids and is insensitive to K+. The properties of ASCT1 suggest that it may function to equilibrate different pools of neutral amino acids and provide a mechanism to link amino acid concentration gradients. ASCT1 expression has been found at varying levels in every tissue examined.
Product Categories/Family for anti-SLC1A4 antibody	Family: Transporter; Subfamily: Sodium:dicarboxylate symporter

NCBI AND UNIPROT INFORMATION

NCBI GI #	21314632
NCBI GeneID	6509
NCBI Accession #	NP_003029.2
NCBI GenBank Nucleotide #	NM_003038.4
UniProt Accession #	P43007; B7Z3C0; D6W5F0
Molecular Weight	24,620 Da
NCBI Official Full Name	neutral amino acid transporter A isoform 1
NCBI Official Synonym Full Names	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
NCBI Official Symbol	SLC1A4
NCBI Official Synonym Symbols	SATT; ASCT1
NCBI Protein Information	neutral amino acid transporter A; ASCT-1; solute carrier family 1 member 4; glutamate/neutral amino acid transporter; alanine/serine/cysteine/threonine transporter 1
UniProt Protein Name	Neutral amino acid transporter A
UniProt Gene Name	**SLC1A4**
UniProt Synonym Gene Names	ASCT1; SATT; ASCT-1
UniProt Entry Name	SATT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/slc1a4-asct1-antibody-immunohistochemistry-elisa/51314