

Rabbit SLC1A4 / ASCT1 Polyclonal Antibody | anti-SLC1A4 antibody

Rabbit Polyclonal to Human SLC1A4 / ASCT1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52017	Rabbit	Gibbon, Dog, Gorilla, Human Predicted Reactivity: Monkey, Mouse, Hamster, Horse, Rabbit (at least 90% immunogen sequence identity)	Immunohistochemistry

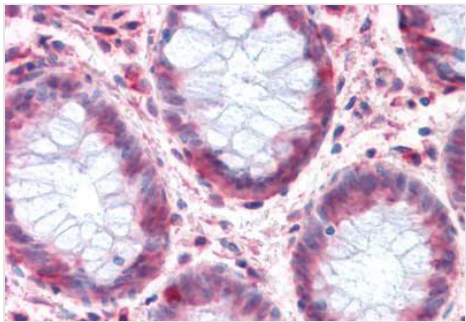
PRODUCT SYNONYMS

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

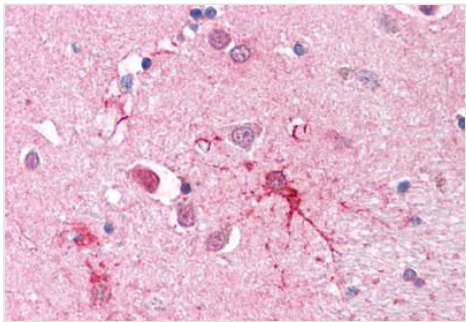
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Dog, Gorilla, Human Predicted Reactivity: Monkey, Mouse, Hamster, Horse, Rabbit (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 17 amino acid peptide from C-terminus of human SLC1A4. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Dog, Panda, Opossum (100%); Marmoset, Mouse, Hamster, Rabbit, Horse, Platypus (94%).
Immunogen Type	Synthetic peptide
Immunogen	SLC1A4 / ASCT1 antibody was raised against synthetic 17 amino acid peptide from C-terminus of human SLC1A4. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Dog, Panda, Opossum (100%); Marmoset, Mouse, Hamster, Rabbit, Horse, Platypus (94%); Rat, Elephant (88%); Bovine (82%).
Antigen Modification	C-Terminus
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)
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-cortex. 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.