

Rabbit anti-Human SLC1A5 Polyclonal Antibody | anti-SLC1A5 antibody

Anti-SLC1A5 Antibody, Rabbit Polyclonal

CATALOG # AAA256296	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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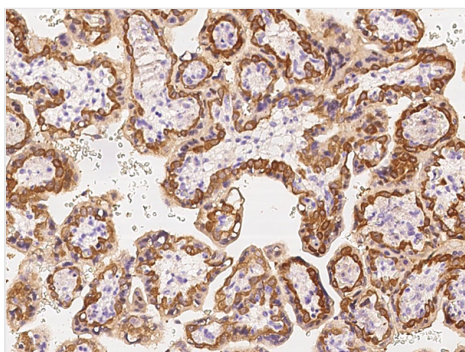
PRODUCT SYNONYMS

SLC1A5; Polyclonal Antibody; Anti-SLC1A5 Antibody; Rabbit Polyclonal; SLC1A5 Antibody; Rabbit PAb; Antigen Affinity Purified; solute carrier family 1 (neutral amino acid transporter); member 5; Anti-AAAT Antibody; Anti-ASCT2 Antibody; Anti-ATBO Antibody; Anti-M7V1 Antibody; Anti-M7VS1 Antibody; Anti-R16 Antibody; Anti-RDRC Antibody; anti-SLC1A5 antibody

PRODUCT SPECIFICATIONS

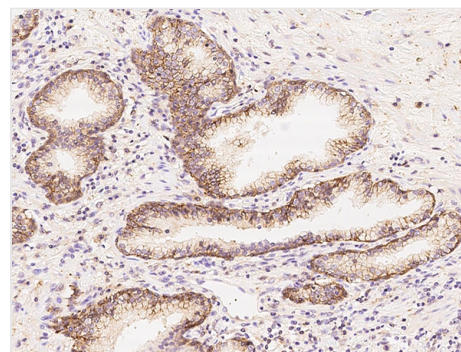
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SLC1A5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SLC1A5 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human SLC1A5 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SLC1A5 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human SLC1A5 in human placenta with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human SLC1A5 in human prostate with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A5 antibody	SLC1A5 (solute carrier family 1, member 5), known as ASCT2, is a small neutral amino acid exchanger that is upregulated in rapidly proliferating lymphocytes but also many primary human cancers. SLC1A5 is a neutral amino acid transporter belonging to the SLC1 family and localized in the plasma membrane of several body districts. Solute-linked carrier family A1 member 5 (SLC1A5), which has a high affinity to neutral amino acids, is essential for glutamine transport and amino acid metabolism in various cancers. One of SLC1A5's primary substrates is the immunomodulatory amino acid glutamine, which plays an important role in multiple key processes, such as energy supply, macromolecular synthesis, nucleotide biosynthesis, redox homeostasis, and resistance against oxidative stress. These processes are also essential to immune cells, including neutrophils, macrophages, B, and T lymphocytes.
References	Scalise M, et al. (2019) Interaction of cholesterol with the human slc1a5 (asct2): Insights into structure/function relationships. Front Mol Biosci 6 110. Scalise M, et al. (2018) The human slc1a5 (asct2) amino acid transporter: From function to structure and role in cell biology. Front Cell Dev Biol 6 96. Masle-Farquhar E, et al. (2017) Asct2 (slc1a5)-deficient mice have normal b-cell development, proliferation, and antibody production. Front Immunol 8 549. Lin J, et al. (2018) Slc1a5 silencing inhibits esophageal cancer growth via cell cycle arrest and apoptosis. Cell Physiol Biochem 48 (1): 397.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc1a5-antibody-immunohistochemistry-elisa/256296>