

Rabbit anti-Human SLC3A1 Polyclonal Antibody | anti-SLC3A1 antibody

Anti-SLC3A1 Antibody, Rabbit Polyclonal

CATALOG # AAA259450	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

SLC3A1; Polyclonal Antibody; Anti-SLC3A1 Antibody; Rabbit Polyclonal; SLC3A1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-ATR1 Antibody; Anti-CSNU1 Antibody; Anti-D2H Antibody; Anti-NBAT Antibody; Anti-RBAT Antibody; anti-SLC3A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SLC3A1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SLC3A1 antibody	IHC (Immunohistochemistry)
Immunogen	E coli-derived Human SLC3A1 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human SLC3A1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human SLC3A1 in human small intestine with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human SLC3A1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC3A1 antibody	The uptake of cysteine mainly depends on heterodimeric amino acid transporters (HATs) present on the cytoplasmic membrane, consisting of a heavy chain SLC3 (solute carrier 3) and a light chain SLC7. The heavy chain SLC3 is essential for plasma membrane localization and the light chain stabilization. Two heavy chains, SLC3A1 and SLC3A2 have been identified. SLC3A2 interacts with most of the light chain whereas SLC3A1 has been known to form a heterodimer only with SLC7A9, a family member of light chain. The solute carrier family 3, member 1 (SLC3A1) is the cysteine carrier and mutations and deletions of this gene are associated with cystinuria. SLC3A1 protein is mainly expressed in the apical plasma membrane in the epithelial cells of intestinal mucosa and the renal proximal tubule.
References	Jian. Y. et al. (2017). Cysteine transporter, slc3a, promotes breast cancer tumorigenesis. Theranostics. 7 (4). 1036-1046.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc3a1-antibody-immunohistochemistry-elisa/259450>