

Rabbit SLC3A1 Polyclonal Antibody | anti-SLC3A1 antibody

SLC3A1 Antibody

CATALOG # AAA327080	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

SLC3A1; Polyclonal Antibody; SLC3A1 Antibody; amino acid transporter 1; ATR1; B(0; +)-type amino acid transport protein; CSNU1; D2H; FLJ34681; NBAT; Neutral and basic amino acid transport protein rBAT; RBAT; SLC31_HUMAN; SLC3A1 variant B; SLC3A1 varia; anti-SLC3A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC3A1 antibody detects endogenous levels of total SLC3A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	685
Applicable Applications for anti-SLC3A1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC3A1
Subcellular Location	Membrane.
Tissue Specificity	Expressed in the brush border membrane in the kidney (at protein level). Predominantly expressed in the kidney, small intestine and pancreas. Weakly expressed in liver.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327080 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of HeLa whole cell lysates, using SLC3A1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC3A1 antibody	Description: This gene encodes a type II membrane glycoprotein which is one of the components of the renal amino acid transporter which transports neutral and basic amino acids in the renal tubule and intestinal tract. Mutations and deletions in this gene are associated with cystinuria. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. Function: Involved in the high-affinity, sodium-independent transport of cystine and neutral and dibasic amino acids (system B(0, +)-like activity). May function as an activator of SLC7A9 and be involved in the high-affinity reabsorption of cystine in the kidney tubule. Subunit Structure: Disulfide-linked heterodimer with the amino acid transport protein SLC7A9.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	187423904
NCBI GeneID	6519
NCBI Accession #	NP_000332.2
NCBI GenBank Nucleotide #	NM_000341.3
UniProt Accession #	Q07837; O00658; Q15295; Q4J6B4; Q4J6B5; Q4J6B6; Q4J6B7; Q4J6B8; Q4J6B9; Q52M92; Q52M94; A8K0S1
Molecular Weight	Observed: 78 kDa Predicted: 79 kDa
NCBI Official Full Name	neutral and basic amino acid transport protein rBAT
NCBI Official Synonym Full Names	solute carrier family 3 member 1
NCBI Official Symbol	SLC3A1
NCBI Official Synonym Symbols	D2H; ATR1; NBAT; RBAT; CSNU1
NCBI Protein Information	neutral and basic amino acid transport protein rBAT
UniProt Protein Name	Neutral and basic amino acid transport protein rBAT
UniProt Gene Name	SLC3A1
UniProt Synonym Gene Names	RBAT; NBAT

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.