

SLC3A1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8802c**Specification****SLC3A1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q07837](#)**SLC3A1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 6519

Other Names

Neutral and basic amino acid transport protein rBAT, NBAT, D2h, Solute carrier family 3 member 1, b(0, +)-type amino acid transport protein, SLC3A1, RBAT

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8802c](/products/AP8802c) was selected from the Center region of human SLC3A1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC3A1 Antibody (Center) Blocking Peptide - Protein Information

Name SLC3A1

SLC3A1 Antibody (Center) Blocking Peptide - Background

SLC3A1 is 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.

SLC3A1 Antibody (Center) Blocking Peptide - References

Chabrol, B., et al., J. Med. Genet. 45 (5), 314-318 (2008)

Synonyms RBAT

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.

Cellular Location

Membrane; Single-pass type II membrane protein

Tissue Location

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

SLC3A1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)