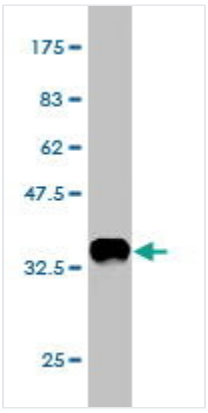
SLC3A1 Antibody – Mouse Monoclonal

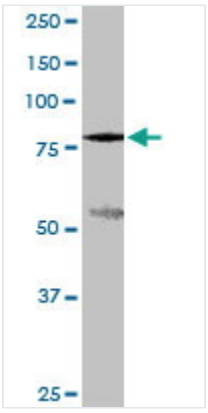
PRODUCT OVERVIEW

Product Name	SLC3A1, Monoclonal Antibody
Full Product Name	SLC3A1 (Neutral and Basic Amino Acid Transport Protein rBAT, NBAT, B(0,+)-type Amino Acid Transport Protein, D2h, RBAT, FLJ34681) (FITC)
Product Gene Name	anti-SLC3A1 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SLC3A1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the ca
Immunogen	Partial recombinant corresponding to aa211-320 from human SLC3A1 (AAH22386) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	FIPNHTSDKHIWFQLSRTRTGKYTDYYIWHDCTHENGKTIPPNNWLSVYGNSSWHFDEVRNQCYFHQFMKEQPDLNFRNPDVQEEIKEILRFWLTKGVD
Conjugate	FITC
Product Categories/Family for anti-SLC3A1 antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-SLC3A1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-SLC3A1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SLC3A1 antibody	SLC3A1 is a type II membrane glycoprotein which is one of the components of the renal amino acid transporter which transports neutral and basic ami renal tubule and intestinal tract.
Other Notes	Small volumes of anti-SLC3A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional may apply.

Searchable Terms for SLC3A1 purchase	MBS6149738 is an antibody targeting SLC3A1. Also known as SLC3A1 (Neutral and Basic Amino Acid Transport Protein rBAT, NBAT, B(0,+)-type Am Transport Protein, D2h, RBAT, FLJ34681) (FITC). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-SLC3A1 antibody
Western Blot detection against Immunogen (38.1kD).



Western Blot (WB) of anti-SLC3A1 antibody
SLC3A1 monoclonal antibody. Western Blot analysis of SLC3A1 expression in human pancreas.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC3A1. It may not necessarily be applicable to this product.

NCBI GI #	18490866
NCBI GeneID	6519
NCBI Accession #	BC022386
NCBI Related Accession #	AAH22386
UniProt Related Accession #	Q07837
NCBI Official Full Name	Homo sapiens solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1, mRNA
NCBI Official Synonym Full Names	solute carrier family 3 member 1
NCBI Official Symbol	SLC3A1
NCBI Official Synonym Symbols	D2H; ATR1; NBAT; RBAT; CSNU1
Protein Family	Neutral and basic amino acid transport protein
NCBI Protein Information	neutral and basic amino acid transport protein rBAT
NCBI Summary for SLC3A1	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. [provided by RefSeq, Jul 2008]
Research Articles on SLC3A1	**1.** A homozygous c.325G>A mutation in cationic amino cid transport proteins (SLC7A9) was identified in two patients, and six neutral and basic amino acid transporter protein (SLC3A1) mutations were found in five patients.
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