SLC3A1 rabbit monoclonal antibody

Catalog # H00006519-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC3A1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC3A1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SLC3A1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — SLC3A1

Entrez GeneID	6519
GeneBank Accession#	SLC3A1
Gene Name	SLC3A1
Gene Alias	ATR1, CSNU1, D2H, FLJ34681, NBAT, RBAT
Gene Description	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, di basic and neutral amino acid transport), member 1
Omim ID	104614 220100 606407
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a type II membrane glycoprotein which is one of the components of the renal a mino acid transporter which transports neutral and basic amino acids in the renal tubule and intest inal 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. [pro vided by RefSeq
Other Designations	B(0,+)-type amino acid transport protein|SLC3A1 variant B|SLC3A1 variant C|SLC3A1 variant D| SLC3A1 variant E|SLC3A1 variant F|SLC3A1 variant G|amino acid transporter 1|solute carrier fa mily 3 (cystine, dibasic and neutral amino acid transporters), member

Disease

- Cardiomyopathy
- Cystinuria
- Genetic Predisposition to Disease
- Hypertension