

SLC7A7 rabbit monoclonal antibody

Catalog # H00009056-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC7A7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC7A7 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 SLC7A7 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 including 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 — SLC7A7

Entrez GeneID	9056
GeneBank Accession#	SLC7A7
Gene Name	SLC7A7
Gene Alias	LAT3, LPI, MOP-2, Y+LAT1, y+LAT-1
Gene Description	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7
Omim ID	222700 603593
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the light subunit of a cationic amino acid transporter. This sodium-independent transporter is formed when the light subunit encoded by this gene dimerizes with the heavy subunit transporter protein SLC3A2. This transporter is found in epithelial cell membranes where it transfers cationic and large neutral amino acids from the cell to the extracellular space. Defects in this gene are a cause of lysinuric protein intolerance (LPI). Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000164491 OTTHUMP00000164492 OTTHUMP00000164494 monocyte amino acid permease 2 solute carrier family 7 member 7 y(+)L-type amino acid transporter 1

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)