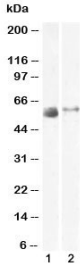
SLC7A7 Antibody / YLAT1 (R36481)

Catalog No.	Formulation	Size
R36481-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
UniProt	Q9UM01
Applications	Western blot: 1-3ug/ml ELISA (peptide) LOD: 1:128000
Limitations	This SLC7A7 antibody is available for research use only.



Western blot testing of human 1) lung and 2) skeletal muscle lysate with SLC7A7 antibody at 2ug/ml. Predicted molecular weight ~56 kDa.

Description

Solute carrier family 7 member 7, also called Y+L amino acid transporter 1 or YLAT1, is involved in the sodium-independent uptake of dibasic amino acids and sodium-dependent uptake of some neutral amino acids. Requires coexpression with SLC3A2/4F2hc to mediate the uptake of arginine, leucine and glutamine. Plays a role in nitric oxide synthesis in human umbilical vein endothelial cells (HUVECs) via transport of L-arginine. Involved in the transport of L-arginine in monocytes. [UniProt]

Application Notes

Optimal dilution of the SLC7A7 antibody should be determined by the researcher.

Immunogen

Amino acids SQPEVETSPLGD (N-Terminal) were used as the immunogen for this SLC7A7 antibody.

Storage

Aliquot and store the SLC7A7 antibody at -20oC.

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