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Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody

Purified Goat Polyclonal Antibody
Catalog # AF4318a

Specification

Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody - Product Information

Application	**WB**
Primary Accession	Q92536
Other Accession	NP_003974.3, 9057
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**56828**

Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody - Additional Information

Gene ID 9057

Other Names
SLC7A6; solute carrier family 7 (amino acid transporter light chain, y+L system), member 6; LAT-2; LAT3; y+LAT-2; Y+L amino acid transporter 2; amino acid permease; cationic amino acid transporter, y+ system; solute carrier family 7 (cationic amino acid t

Target/Specificity
Reported variants represent identical protein: NP_003974.3, NP_001070253.1

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence C-ELDVAEEKKDERKTD, from the C Terminus of the protein sequence according to NP_003974.3.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

AF4318a (0.3 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody - References

Nguyen HT, Merlin D.Nguyen HT, Merlin D.Nguyen HT, Merlin D.Nguyen HT, Merlin D.

Precautions
Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody - Protein Information

Name SLC7A6 (HGNC:11064)

Function
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. Also acts as an arginine/glutamine exchanger, following an antiport mechanism for amino acid transport, influencing arginine release in exchange for extracellular amino acids. 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. Reduces uptake of ornithine in retinal pigment epithelial (RPE) cells.

Cellular Location
Basolateral cell membrane; Multi-pass membrane protein

Tissue Location
Expressed in normal fibroblasts and those from LPI patients. Also expressed in HUVECs, monocytes, RPE cells, and various carcinoma cell lines.

Goat Anti-SLC7A6 / y+LAT-2 (C Terminus) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture