

Product datasheet for **TA361096**

SLC7A6 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human SLC7A6 |
| Specificity: | Expected reactivity: Human |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration: | lot specific |
| Purification: | Affinity purified |
| Conjugation: | Unconjugated |
| Storage: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 57 kDa |
| Gene Name: | solute carrier family 7 member 6 |
| Database Link: | NP_001070253.1 Entrez Gene 9057 Human Q92536 |



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Background:

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.

Synonyms:

DKFZp686K15246; KIAA0245; LAT-2; LAT3; y+LAT-2; Y+LAT2

Protein Families:

Druggable Genome, Transmembrane

Product images:

Host: Rabbit
Target Name: SLC7A6
Sample Type: U937 Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: SLC7A6
Sample Tissue: Human U937 Whole Cell lysates
Antibody Dilution: 1 ug/ml