



SLC7A6 Mouse mAb

Catalog No	YP-mAb-18503
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC7A6 KIAA0245
Immunogen	Synthesized peptide derived from human SLC7A6
Specificity	This antibody detects endogenous levels of SLC7A6 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIAA0245;LAT 2;LAT3;SLC7A6;Y+L amino acid transporter 2;y+LAT 2;Y+LAT2; SLC7A6 KIAA0245;Y+L amino acid transporter 2 (Cationic amino acid transporter;y+ system) (Solute carrier family 7 member 6) (y(+)-L-type amino acid transporter 2) (Y+LAT2) (y+LAT-2); y+ system) (Solute carrier family 7 member 6) (y(+)-L-type amino acid transporter 2) (Y+LAT2) (y+LAT-2)
Observed Band	57 kDa
Calculated Molecular Weight	515 aa, 57 kDa
Cell Pathway	Basolateral cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in normal fibroblasts and those from LPI patients. Also expressed in HUVECs, monocytes, RPE cells, and various carcinoma cell lines.
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.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images