



LAT1 mouse mAb

Catalog No	YP-mAb-09823
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC7A5 CD98LC LAT1 MPE16
Immunogen	Synthesized peptide derived from human LAT1 AA range: 145-195
Specificity	This antibody detects endogenous levels of human LAT1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Calculated Molecular Weight	507 aa, 55 kDa
Observed Band	35-40 kDa
Cell Pathway	Apical cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Located to the plasma membrane by SLC3A2/4F2hc (PubMed:9751058). Localized to the apical membrane of placental syncytiotrophoblastic cells (PubMed:11742812). Recruited to lysosomes by LAPTM4B (PubMed:25998567) . Expressed in both luminal and abluminal membranes of brain capillary endothelial cells (By similarity) .
Tissue Specificity	Detected in placenta, in the syncytiotrophoblast layer (at protein level) (PubMed:11389679). Expressed abundantly in adult lung, liver, brain, skeletal muscle, placenta, bone marrow, testis, resting lymphocytes and monocytes, and in fetal liver. Weaker expression in thymus, cornea, retina, peripheral leukocytes, spleen, kidney, colon and lymph node. During gestation, expression in the placenta was significantly stronger at full-term than at the mid-trimester stage. Also expressed in all human tumor cell lines tested and in the astrocytic process of primary astrocytic gliomas. Expressed in retinal endothelial cells and in the intestinal epithelial cell line Caco-2.
Function	

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