

A22292

Leader in Biomolecular Solutions for Life Science



LAT1/SLC7A5 Rabbit mAb

Catalog No.: A22292

Recombinant

Basic Information

Observed MW

39kDa

Calculated MW

55kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human,Mouse

CloneNo number

ARC56924

Background

Enables L-leucine transmembrane transporter activity; L-tryptophan transmembrane transporter activity; and thyroid hormone transmembrane transporter activity. Involved in carboxylic acid transport; thyroid hormone transport; and xenobiotic transport. Located in cytosol; intracellular membrane-bounded organelle; and plasma membrane. Is integral component of membrane. Part of amino acid transport complex; apical plasma membrane; and microvillus membrane.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
8140

Swiss Prot
Q01650

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

E16; CD98; LAT1; 4F2LC; MPE16; D16S469E; LAT1/SLC7A5

Contact

 www.abclonal.com

Product Information

Source
Rabbit

Isotype
IgG

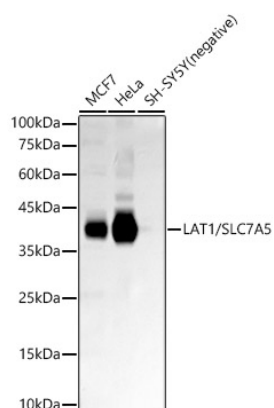
Purification
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using LAT1/SLC7A5 Rabbit mAb (A22292) at 1:1000 dilution.

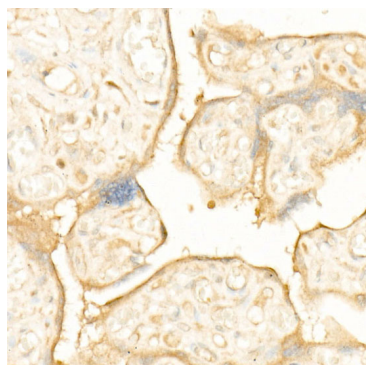
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

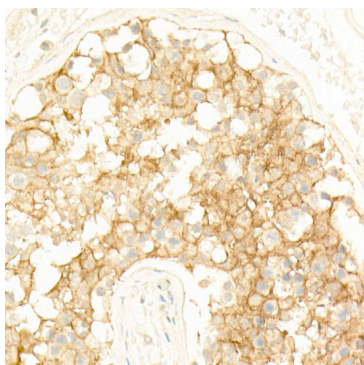
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human placenta using LAT1/SLC7A5 Rabbit mAb (A22292) at dilution of 1:900 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human testis using LAT1/SLC7A5 Rabbit mAb (A22292) at dilution of 1:900 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.