

SLC7A5 polyclonal antibody

Catalog # PAB8452 Size 25 ug

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of SLC7A5.

Immunogen A synthetic peptide corresponding to human SLC7A5.

Host Rabbit

Reactivity Human

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage Immunohistochemistry (5-10 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.1% proclin, 2.0% Block Ace)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

Gene Info — SLC7A5

Entrez GeneID [8140](#)

Gene Name SLC7A5

Gene Alias 4F2LC, CD98, D16S469E, E16, LAT1, MPE16, hLAT1

Gene Description solute carrier family 7 (cationic amino acid transporter, y⁺ system), member 5

Omim ID	600182
Gene Ontology	Hyperlink
Gene Summary	y+ system)
Other Designations	4F2 light chain CD98 light chain L-type amino acid transporter 1 integral membrane protein E16 arge neutral amino acids transporter 1 large neutral amino acids transporter small subunit 1 sodium-independent neutral amino acid transporter LAT1

Publication Reference

- [Human L-type amino acid transporter 1 \(LAT1\): characterization of function and expression in tumor cell lines.](#)

Yanagida O, Kanai Y, Chairoungdua A, Kim DK, Segawa H, Nii T, Cha SH, Matsuo H, Fukushima J, Fukasawa Y, Tani Y, Taketani Y, Uchino H, Kim JY, Inatomi J, Okayasu I, Miyamoto K, Takeda E, Goya T, Endou H.

Biochimica et Biophysica Acta 2001 Oct; 1514(2):291.

Application: WB-Ce, Human, T24 cells

- [Expression of a system L neutral amino acid transporter at the blood-brain barrier.](#)

Matsuo H, Tsukada S, Nakata T, Chairoungdua A, Kim DK, Cha SH, Inatomi J, Yorifuji H, Fukuda J, Endou H, Kanai Y.

Neuroreport 2000 Nov; 11(16):3507.

Application: IF, IHC, Rat, Brain

- [Amino-acid transport by heterodimers of 4F2hc/CD98 and members of a permease family.](#)

Mastroberardino L, Spindler B, Pfeiffer R, Skelly PJ, Loffing J, Shoemaker CB, Verrey F.

Nature 1998 Sep; 395(6699):288.

Application: IF, IHC, Frog, Frog oocyte sections

- [Expression cloning and characterization of a transporter for large neutral amino acids activated by the heavy chain of 4F2 antigen \(CD98\).](#)

Kanai Y, Segawa H, Miyamoto K, Uchino H, Takeda E, Endou H.

The Journal of Biological Chemistry 1998 Sep; 273(37):23629.

- [Family of neutral and acidic amino acid transporters: molecular biology, physiology and medical implications.](#)

Kanai Y.

Current Opinion in Cell Biology 1997 Aug; 9(4):565.

Disease

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- [Genetic Predisposition to Disease](#)
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