



SLC7A5 Polyclonal Antibody

Cat. No.: NHP-AB462

This product is for research use only and is not intended for diagnostic use.

This product is an antibody that was generated by immunizing rabbit against a peptide located in the N-Terminal region of SLC7A5 (Human). It is used only in *in vitro* assays.

Detailed Product Description

Introduction SLC7A5 also known as large neutral amino acids transporter small subunit 1 is a protein that in humans is encoded by the SLC7A5 gene. It is sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan, when associated with SLC3A2/4F2hc. It involved in cellular amino acid uptake and the transport of L-DOPA across the blood-brain barrier, and that of thyroid hormones triiodothyronine (T3) and thyroxine (T4) across the cell membrane in tissues such as placenta. Acts as an amino acid exchanger and plays a role in neuronal cell proliferation (neurogenesis) in brain.

Conjugate None

Applications IHC

Technical Specifications

Host Species Rabbit

Species Reactivity Dog; Gibbon; Gorilla; Human; Monkey; Rabbit

Immunogen A peptide located in the N-Terminal region of SLC7A5 (Human)

Product Property

Purification Immunoaffinity Chromatography

Format Liquid

Concentration 1 mg/mL

Buffer	PBS, 0.1% sodium azide
Storage	Short term: 4°C. Long term: Store at -20°C.

Target Information

Clonality	Polyclonal
Alternative Names	4F2; 4F2 LC; 4F2 light chain; 4F2HC; 4T2HC; CD98 light chain; CD98HC; E16; hLAT1; Integral membrane protein E16; L-type amino acid transporter 1; large neutral amino acids transporter 1; Large neutral amino acids transporter small subunit 1; LAT1; MDU1; MP hLAT1; NACAE; sodium-independent neutral amino acid transporter LAT1; solute carrier family 7 (amino acid transporter light chain, L system), member 5; solute carrier family 7 (cationic amino acid transporter, y+ system), member 5; Solute carrier family 7 member 5; y+ system cationic amino acid transporter
Entrez Gene ID	8140