

## SLC7A5 Antibody (N-Term)

Catalog_no :	AB3713
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This SLC7A5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-45 amino acids from human SLC7A5.
Dilution :	IF,1:25;WB,1:2000;
Other_name :	Large neutral amino acids transporter small subunit 1, 4F2 light chain, 4F2 LC, 4F2LC, CD98 light chain, Integral membrane protein E16, L-type amino acid transporter 1, hLAT1, Solute carrier family 7 member 5, y+ system cationic amino acid transporter, SLC7A5, CD98LC, LAT1, MPE16
Isotype :	Rabbit Ig
Background :	Sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan, when associated with SLC3A2/4F2hc. Involved in cellular amino acid uptake. Acts as an amino acid exchanger. Involved in 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. Plays a role in neuronal cell proliferation (neurogenesis) in brain. Involved in the uptake of methylmercury (MeHg) when administered as the L-cysteine or D,L-homocysteine complexes, and hence plays a role in metal ion homeostasis and toxicity. Involved in the cellular activity of small molecular weight nitrosothiols, via the stereoselective transport of L- nitrosocysteine (L-CNSO) across the transmembrane. May play an important role in high-grade gliomas. Mediates blood-to-retina L- leucine transport across the inner blood-retinal barrier which in turn may play a key role in maintaining large neutral amino acids as well as neurotransmitters in the neural retina. Acts as the major transporter of tyrosine in fibroblasts.
reference :	Mastroberardino L.,et al.Nature 395:288-291(1998). Prasad P.D.,et al.Biochem. Biophys. Res. Commun. 255:283-288(1999). Tsurudome M.,et al.J. Immunol. 162:2462-2466(1999). Yanagida O.,et al.Biochim. Biophys. Acta 1514:291-302(2001). Minato N.,et al.Su