

## SLC7A5

**Reactivity:**Human Mouse Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:1000

**Calculated MW:**55kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human SLC7A5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

E16; CD98; LAT1; 4F2LC; MPE16; hLAT1; D16S469E;

**Catalog #:**A2833

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**8140

**Isotype:**IgG

**Swiss Prot:**Q01650

**Purity:**Affinity purification

For research use only.

**Background:**

Solute carrier family 7 member 5 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 is 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.

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