Name: Anti-SLC7A5 Rabbit Polyclonal Antibody

Product Data Sheet - ANTIBODY

Catalog: TA321582

Components:
- Anti-SLC7A5 Rabbit Polyclonal Antibody (TA321582)

Amount: 100ul

Immunogen: Synthetic peptide corresponding to a region derived from 16-34 amino acids of Human Solute carrier family 7 member 5

Host: Rabbit

Isotype: IgG

Species Reactivity: Human, Mouse, Rat

Guaranteed Applications:
- WB

Suggested Dilutions:
- ELISA: 1:500-2000
- WB: 1:100-500

Concentration: 0.6mg/ml

Buffer: PBS pH7.3, 0.05% NaN3, 50% glycerol

Purification: Antigen affinity purification

Storage Condition: Shipped at -20°C or with ice packs. Upon delivery store at -20°C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Target

Target Name: solute carrier family 7 member 5

Alternative Name: 4F2LC|CD98|D16S469E|E16|LAT1|MPE16|hLAT1

Database Link:
- NP_003477
- Entrez Gene 8140 Human
- Entrez Gene 20539 Mouse
- Entrez Gene 50719 Rat

Function:
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 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.
Validation Data

Gel: 6% SDS-PAGE, Lysate: 40 µg, Primary antibody: SLC7A5 Antibody at dilution 1/300, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 seconds

* More validation images may be available on our website: http://www.origene.com/antibody/TA321582.aspx