

SLC6A14 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51522**Specification**

SLC6A14 Antibody - Product Information

Application	WB, E
Primary Accession	O9UN76
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72 KDa

SLC6A14 Antibody - Additional Information**Gene ID** 11254**Other Names**

Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+), Amino acid transporter ATB0+, Solute carrier family 6 member 14, SLC6A14

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

SLC6A14 Antibody - Protein Information**Name** SLC6A14 ([HGNC:11047](#))**Function**

Amino acid transporter that plays an important role in the absorption of amino acids in the intestinal tract. Mediates the uptake of a broad range of neutral and cationic amino acids (with the exception of proline) in a Na(+)/Cl(-)-dependent manner (PubMed:10446133). Transports non-alpha-amino acids such as beta- alanine with low affinity, and has a higher affinity for dipolar and cationic amino acids such as leucine and lysine (PubMed:18599538). Can also transport carnitine, butyrylcarnitine and propionylcarnitine coupled to the transmembrane gradients of Na(+) and Cl(-) (PubMed:17855766).

Cellular Location

Membrane; Multi- pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:Q9JMA9}; Multi-pass membrane protein

Tissue Location

Levels are highest in adult and fetal lung, in trachea and salivary gland. Lower levels detected in mammary gland, stomach and pituitary gland, and very low levels in colon, uterus, prostate and testis.

SLC6A14 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC6A14 Antibody - Images

SLC6A14 Antibody - Background

Mediates the uptake of a broad range of neutral and cationic amino acids (with the exception of proline) in a Na(+)/Cl(-)-dependent manner.

SLC6A14 Antibody - References

Sloan J.L., et al. J. Biol. Chem. 274:23740-23745(1999).
Ross M.T., et al. Nature 434:325-337(2005).
Tiwari H.K., et al. J. Clin. Invest. 112:1633-1636(2003).
Suviolahti E., et al. J. Clin. Invest. 112:1762-1772(2003).