

SLC6A14 Polyclonal Antibody
Catalog # AP73285**Specification**

SLC6A14 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q9UN76
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

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

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

SLC6A14 Polyclonal 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

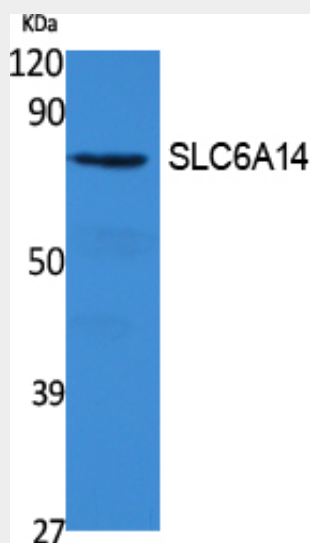
Levels are highest in adult and fetal lung, in trachea and salivary gland. Lower levels detected in mammary gland, stomach and pituitary gland, and very low levels in colon, uterus, prostate and testis.

SLC6A14 Polyclonal Antibody - Protocols

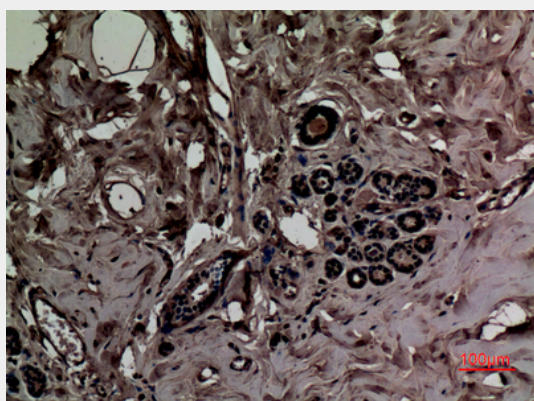
Provided below are standard protocols that you may find useful for product applications.

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

SLC6A14 Polyclonal Antibody - Images



Western Blot analysis of extracts from 293 cells, using SLC6A14 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-breast, antibody was diluted at 1:100

SLC6A14 Polyclonal 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.