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SLC6A14 Polyclonal Antibody
Catalog # AP73285

Specification

SLC6A14 Polyclonal Antibody - Product Information

Application	**WB**
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.

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

Storage Conditions
-20℃

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, butirylcarnitine 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

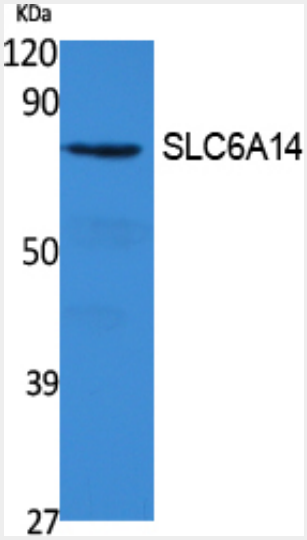
Tissue Location
Levels are highest in adult and fetal lung, in trachea and salivary gland. Lower levels detected in mammary gland, stomach and pituitary gland, and very low levels in colon, uterus, prostate and testis.

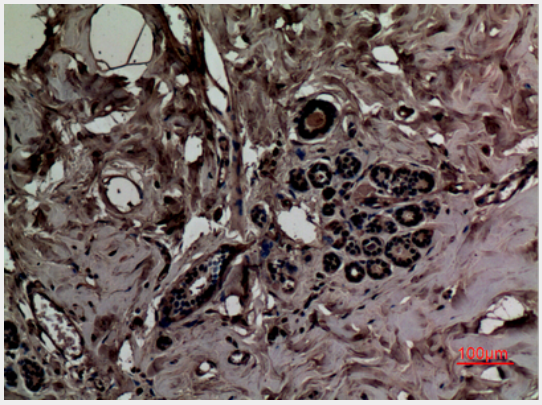
SLC6A14 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC6A14 Polyclonal Antibody - Images





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.