

SLC6A17 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51524**Specification**

SLC6A17 Antibody - Product Information

| | |
|-------------------|--------------------------|
| Application | WB, E |
| Primary Accession | O9H1V8 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 81 KDa |

SLC6A17 Antibody - Additional Information**Gene ID** 388662**Other Names**

Sodium-dependent neutral amino acid transporter SLC6A17, Sodium-dependent neurotransmitter transporter NTT4, Solute carrier family 6 member 17, SLC6A17, NTT4

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SLC6A17. The exact sequence is proprietary.

Dilution

WB~~1:1000

E~~N/A

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

SLC6A17 Antibody - Protein Information**Name** SLC6A17 {ECO:0000250|UniProtKB:P31662, ECO:0000312|HGNC:HGNC:31399}**Function**

Synaptic vesicle transporter with apparent selectivity for neutral amino acids. The transport is sodium-coupled but chloride- independent, likely driven by the proton electrochemical gradient generated by vacuolar H(+)-ATPase in an overall electrogenic mechanism. May contribute to the synaptic uptake of neurotransmitter precursors in a process coupled in part to vesicle exocytosis.

Cellular LocationCytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane
{ECO:0000250|UniProtKB:P31662}; Multi-pass membrane protein

{ECO:0000250|UniProtKB:P31662}. Postsynapse {ECO:0000250|UniProtKB:Q8BJI1}. Presynapse {ECO:0000250|UniProtKB:Q8BJI1}. Note=Localizes at synaptic junctions - at both pre- and post-synaptic sites - particularly in excitatory glutamatergic terminals.
{ECO:0000250|UniProtKB:Q8BJI1}

SLC6A17 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](#)

SLC6A17 Antibody - Images

SLC6A17 Antibody - Background

Functions as a sodium-dependent vesicular transporter selective for proline, glycine, leucine and alanine. In contrast to other members of this neurotransmitter transporter family, does not appear to be chloride-dependent (By similarity).

SLC6A17 Antibody - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Hoglund P.J., et al. Biochem. Biophys. Res. Commun. 336:175-189(2005).