

NTT4 Polyclonal Antibody
Catalog # AP73280

Specification

NTT4 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9H1V8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

NTT4 Polyclonal Antibody - Additional Information

Gene ID 388662

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. 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°C

NTT4 Polyclonal 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 Location

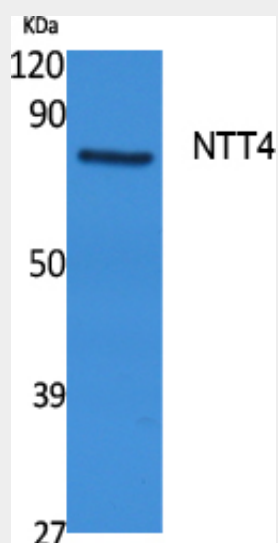
Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:P31662}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P31662}. Postsynapse {ECO:0000250|UniProtKB:Q8BJI1}. Presynapse {ECO:0000250|UniProtKB:Q8BJI1}. Note=Localizes at synaptic junctions - at both pre- and post-synaptic sites - particularly in excitatory glutamatergic terminals. {ECO:0000250|UniProtKB:Q8BJI1}

NTT4 Polyclonal Antibody - Protocols

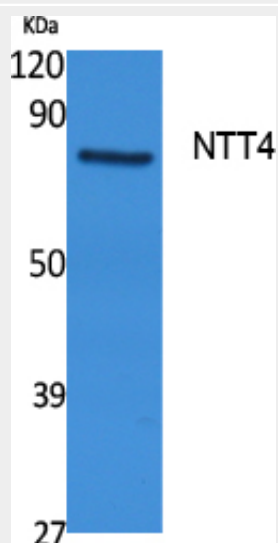
Provided below are standard protocols that you may find useful for product applications.

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

NTT4 Polyclonal Antibody - Images



Western Blot analysis of extracts from rat stomach, using NTT4 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of extracts from rat stomach, using NTT4 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

NTT4 Polyclonal 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).