

Synaptotagmin X Polyclonal Antibody

Catalog # AP72669

Specification

Synaptotagmin X Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB <u>O6XYO8</u> Human, Mouse, Rat Rabbit Polyclonal

Synaptotagmin X Polyclonal Antibody - Additional Information

Gene ID 341359

Other Names SYT10; Synaptotagmin-10; Synaptotagmin X; SytX

Dilution WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. 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

Synaptotagmin X Polyclonal Antibody - Protein Information

Name SYT10

Function

Ca(2+) sensor specifically required for the Ca(2+)-dependent exocytosis of secretory vesicles containing IGF1 in neurons of the olfactory bulb. Exocytosis of IGF1 is required for sensory perception of smell. Not involved in Ca(2+)-dependent synaptic vesicle exocytosis (By similarity). Acts through Ca(2+) and phospholipid binding to the C2 domain: Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity).

Cellular Location

Cytoplasmic vesicle, secretory vesicle membrane {ECO:0000250|UniProtKB:Q9R0N4}; Single-pass membrane protein. Note=Localizes to neuronal vesicles containing IGF1 that are not enriched at synapses. Does not colocalize with synaptic vesicles or with the Golgi apparatus. {ECO:0000250|UniProtKB:Q9R0N4}

Tissue Location Expressed only in pancreas, lung and kidney.



Synaptotagmin X Polyclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Synaptotagmin X Polyclonal Antibody - Images



Synaptotagmin X Polyclonal Antibody - Background



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