

Synaptotagmin X Polyclonal Antibody
Catalog # AP72669**Specification**

Synaptotagmin X Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q6XYQ8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	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

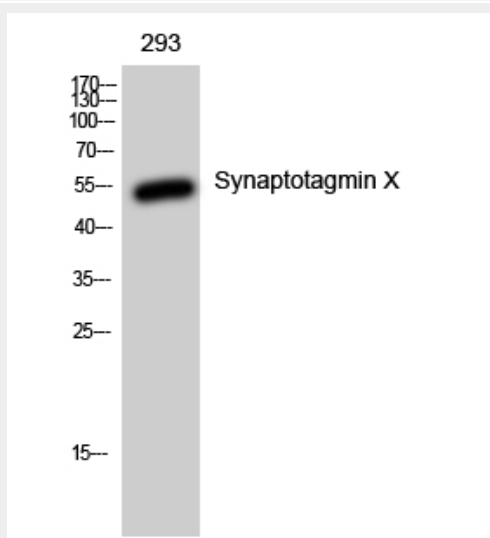
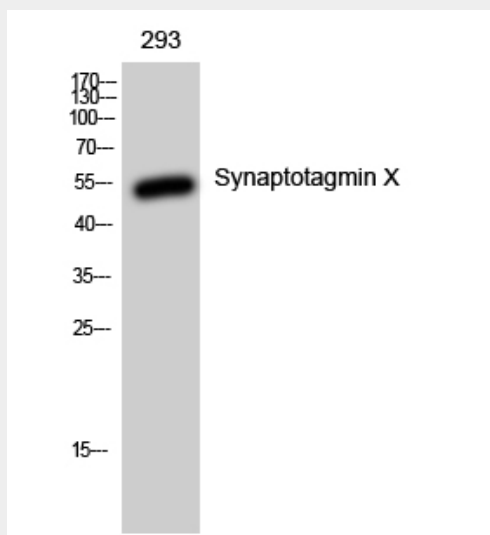
Expressed only in pancreas, lung and kidney.

Synaptotagmin X Polyclonal Antibody - Protocols

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

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

Synaptotagmin X Polyclonal Antibody - Images



Synaptotagmin X Polyclonal Antibody - Background

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).