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Synaptotagmin X Polyclonal Antibody

Catalog # AP72669

Product Information

Application	WB, IHC-P
Primary Accession	Q6XYQ8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59127

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. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

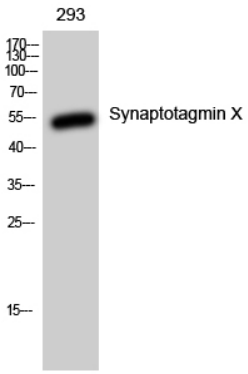
Protein Information

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.

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).

Images



Western Blot analysis of 293 cells using Synaptotagmin X Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.