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Synaptotagmin-10 Antibody (internal region, near C-Term)

Peptide-affinity purified goat antibody
Catalog # AF3802a

Specification

Synaptotagmin-10 Antibody (internal region, near C-Term) - Product Information

Application	**E**
Primary Accession	Q6XYQ8
Other Accession	NP_945343.1, 341359, 54526 (mouse), 60567 (rat)
Predicted	**Human, Mouse, Rat, Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**59127**

Synaptotagmin-10 Antibody (internal region, near C-Term) - Additional Information

Gene ID 341359

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

Dilution
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Synaptotagmin-10 Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Synaptotagmin-10 Antibody (internal region, near C-Term) - 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-10 Antibody (internal region, near C-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Synaptotagmin-10 Antibody (internal region, near C-Term) - Images

Synaptotagmin-10 Antibody (internal region, near C-Term) - References

Conserved N-terminal cysteine motif is essential for homo- and heterodimer formation of synaptotagmins III, V, VI, and X. Fukuda M, Kanno E, Mikoshiba K. J Biol Chem. 1999 Oct 29;274(44):31421-7. PMID: 10531343