

SYT10 Antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI15537

Product Information

Application	WB
Primary Accession	Q6XYQ8
Other Accession	NM_198992 , NP_945343
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59127

Additional Information

Gene ID	341359
Other Names	Synaptotagmin-10, Synaptotagmin X, SytX, SYT10
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SYT10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SYT10 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

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}

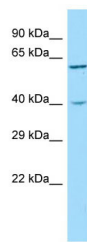
Tissue Location

Expressed only in pancreas, lung and kidney.

References

Zhao E.,et al.DNA Seq. 14:393-398(2003).

Images



Host: Rabbit

Target Name: SYT10

Sample Tissue: Jurkat Whole cell lysate

S

Antibody Dilution: 1.0µg/ml

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