

Syt1 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14399

Product Information

Application	WB
Primary Accession	P21707
Other Accession	NM_001033680 , NP_001028852
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	47399

Additional Information

Gene ID	25716
Alias Symbol	P65
Other Names	Synaptotagmin-1, Synaptotagmin I, SytI, p65, Syt1
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-Syt1 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	Syt1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

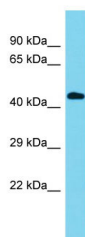
Name	Syt1 {ECO:0000312 RGD:3803}
Function	Calcium sensor that participates in triggering neurotransmitter release at the synapse (PubMed: 2333096 , PubMed: 30107533). May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone. A Ca(2+)-dependent interaction between synaptotagmin and putative receptors for activated protein kinase C has also been reported. It can bind to at least three additional protein proteins in a Ca(2+)-independent manner; these are neurexins, syntaxin and AP2. Plays a role in dendrite formation by melanocytes.

Cellular Location	Cytoplasmic vesicle, secretory vesicle membrane; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane; Single-pass membrane protein. Cytoplasm
Tissue Location	Expressed in the brain (at protein level) (PubMed:17190793). Predominantly expressed in rostral, phylogenetically younger brain regions, and in some endocrine tissues

References

Perin M.S.,et al.Nature 345:260-263(1990).
Craxton M.A.,et al.BMC Genomics 5:43-43(2004).
Sunitha S.S.,et al.Submitted (APR-2006) to the EMBL/GenBank/DDBJ databases.
Lubec G.,et al.Submitted (APR-2007) to UniProtKB.
Schivell A.E.,et al.J. Biol. Chem. 271:27770-27775(1996).

Images



Host: Rabbit
Target Name: Syt1
Sample Tissue: Rat Stomach lysates
Antibody Dilution: 1.0µg/ml

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