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SYT5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14064c

Product Information

Application	WB, E
Primary Accession	O00445
Other Accession	NP_003171.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34153
Calculated MW	42900
Antigen Region	138-167

Additional Information

Gene ID	6861
Other Names	Synaptotagmin-5, Synaptotagmin V, SytV, SYT5
Target/Specificity	This SYT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the Central region of human SYT5.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SYT5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SYT5
Function	May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates

	the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface (By similarity).
Cellular Location	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass membrane protein. Recycling endosome membrane; Single-pass membrane protein. Note=In mast cells, localizes to the endocytic recycling compartment.

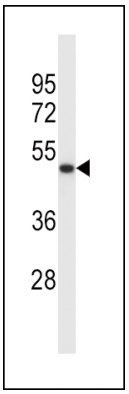
Background

SYT5 may be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface (By similarity).

References

Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press :
Sreenath, A.S., et al. Clin. Biochem. 38(5):436-443(2005)
Mizutani, A., et al. J. Biol. Chem. 275(13):9823-9831(2000)
Craxton, M., et al. FEBS Lett. 460(3):417-422(1999)
Fukuda, M., et al. J. Biol. Chem. 274(44):31421-31427(1999)

Images



SYT5 Antibody (Center) (Cat. #AP14064c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the SYT5 antibody detected the SYT5 protein (arrow).

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