For Research Use Only

CPLX1 Polyclonal antibody

Catalog Number:10246-2-AP 8 Publications



Basic Information	Catalog Number: 10246-2-AP	GenBank Accession Number: BC002471	Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):	Recommended Dilutions:
	150ul , Concentration: 1000 ug/ml by	10815	WB 1:2000-1:10000
	Nanodrop and 533 ug/ml by Bradford	UNIPROT ID:	IHC 1:500-1:2000
	method using BSA as the standard;	014810	IF/ICC 1:200-1:800
	Source: Rabbit	Full Name: complexin 1	
	Isotype: IgG	Calculated MW: 15 kDa	
	Immunogen Catalog Number: AG0387	Observed MW: 15-20 kDa	
Applications	Tested Applications:	Positiv	ve Controls:
	WB, IHC, IF/ICC, ELISA WB : mous		nouse brain tissue, rat brain tissue
	Cited Applications: WB, IHC, IF	IHC : n	nouse brain tissue,
	Species Specificity: human, mouse, rat	IF/ICC	: SH-SY5Y cells,
	Cited Species:		
	human, mouse, macaque		
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ	vely, antigen	
	retrieval may be performed w buffer pH 6.0	ith citrate	
Background Information	buffer pH 6.0 Complexin 1 (CPLX1) is a member of function in synaptic vesicle exocytosi and SNAP-25. Complexins bind weak to the SNAP receptor-core complex co for binding to the core complex but no the sequential interactions of alpha-5 binds to the SNAP receptor complex a	the complexin/synaphin gene is. Complexins are enriched in ly to syntaxin alone and not at mposed of these three molecu of with other interacting molec SNAP and synaptotagmins with nd disrupts it, leading to the re	les. Compexins also compete with alpha-SNA ules, including synaptotagmin I, and regulate n the SNAP receptor during exocytosis. CLPX1
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Selected Validation Data





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Various lysates were subjected to SDS PAGE followed by western blot with 10246-2-AP (CPLX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 10246-2-AP (CPLX1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SYSY cells using CPLX1 antibody (10246-2-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).