For Research Use Only

CPLX1 Polyclonal antibody

Catalog Number:10246-2-AP 8 Publications

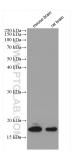


Basic Information	Catalog Number: 10246-2-AP	GenBank Accession Nu BC002471	umber:	Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):		Recommended Dilutions:
	1000 µg/ml	10815		WB 1:2000-1:10000 IHC 1:500-1:2000
	Source: Rabbit	UNIPROT ID: 014810		IF/ICC 1:200-1:800
	lsotype: IgG	Full Name: complexin 1		
	Immunogen Catalog Number: AG0387	Calculated MW: 15 kDa		
		Observed MW: 15-20 kDa		
Applications	Tested Applications: WB, IHC, IF/ICC, ELISA		Positive Contr	ols:
	Cited Applications:			ain tissue, rat brain tissue
	WB, IHC, IF		IHC : mouse bi	
	Species Specificity: human, mouse, rat		IF/ICC : SH-SY	5Y cells,
	Cited Species: human, mouse, macaque			
	Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0	atively, antigen		
Background Information	and SNAP-25. Complexins bind w to the SNAP receptor-core comple for binding to the core complex b the sequential interactions of alp binds to the SNAP receptor compl	ytosis. Complexins are enri reakly to syntaxin alone an ex composed of these three ut not with other interacting ha-SNAP and synaptotagm ex and disrupts it, leading t	ched in neurons d not at all to sy molecules. Con g molecules, inc ins with the SNA to the release of	which are cytosolic proteins that s where they colocalize with syntaxin (naptobrevin and SNAP-25, but strong npexins also compete with alpha-SNA cluding synaptotagmin I, and regulate P receptor during exocytosis. CLPX1 f transmitters. Alterations of complex ctivity in severe mental disorders.
Notable Publications	Author	Pubmed ID Journa	al	Application
Notable Publications	Sandra Siegert	26005852 Nat Net	eurosci	WB
Notable Publications			Commun	IF
Notable Publications	Hazal Haytural	34013204 Brain		
Notable Publications	Hazal Haytural Nicole Arnold	34013204 Brain 27681124 J Virol		IHC

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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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).