

For Research Use Only

CPLX2 Polyclonal antibody

Catalog Number:20249-1-AP



Basic Information

Catalog Number: 20249-1-AP	GenBank Accession Number: NM_006650	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10814	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q6PUV4	
Isotype: IgG	Full Name: complexin 2	
	Calculated MW: 15 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue,
IHC : human brain tissue,

Background Information

Complexins are soluble proteins that regulate the activity of soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) complexes necessary for vesicle fusion. Neuronal specific complexin 1 (CPLX1) has inhibitory and stimulatory effects on exocytosis by clamping trans-SNARE complexes in a prefusion state and promoting conformational changes to facilitate membrane fusion following cell stimulation. Complexin2 (CPLX2) is a pre-synaptic protein believed to regulate neurotransmitter release from pre-synaptic terminals, it is downregulated in schizophrenic patients suffering from depression, animal models of depression and neurological disorders such as Huntington's disease in which depression is a major symptom. This antibody is expected to specifically recognize CPLX2 but not other complexins.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

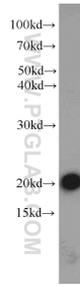
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

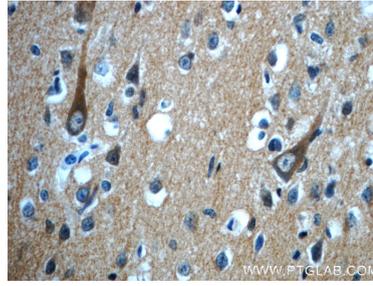
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 20249-1-AP (CPLX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain slide using 20249-1-AP (CPLX2 Antibody) at dilution of 1:50.