For Research Use Only

CPLX1 Polyclonal antibody

Catalog Number:10246-2-AP 8 Publications

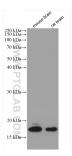


| Basic Information | Catalog Number: 10246-2-AP | GenBank Accession Nu BC002471 | umber: | Purification Method: Antigen affinity purification |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 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

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

Selected Validation Data





- WWW.PTGLAB.COM

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).