For Research Use Only

## CPLX1 Polyclonal antibody

Catalog Number:10246-2-AP 8 Publications

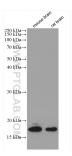


| Basic Information      | Catalog Number:<br>10246-2-AP   | GenBank Accession Nu<br>BC002471  | umber:   | Purification Method:<br>Antigen affinity purification  |
|------------------------|---|---|--|--|
|                        | Size:   | GenelD (NCBI):  |  | Recommended Dilutions:   |
|        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