

Nur für Forschungszwecke

# CPLX2 Polyklonaler Antikörper

Katalog-Nr.:18149-1-AP

Vorgestelltes Produkt

4 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
18149-1-AP

Größe:  
150ul, Konzentration: 650 µg/ml von  
Nanodrop und 333 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG12838

GenBank-Zugangsnummer:  
BC093706

GeneID (NCBI):  
10814

Vollständiger Name:  
complexin 2

Berechnete Masse:  
134 aa, 15 kDa

Beobachtete Masse:  
18-20 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:4000

IP 0.5-4.0 µg für IP und 1:500-1:2000  
für WB

IHC 1:50-1:500

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-  
Puffer pH 9,0 empfohlen. (\*) Wahlweise  
kann die Antigendemaskierung auch mit  
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: Maushirngewebe, A549-Zellen, Rattenhirngewebe

IP: A549-Zellen,

IHC: humanes Hirngewebe,

IF: A549-Zellen,

## Hintergrundinformationen

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 pre-fusion 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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Minati Singh	31072410	Mol Brain	WB
Marius Walus	26304719	Behav Brain Res	WB
Wang Ziyang Z	23982049	Free Radic Biol Med	WB

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

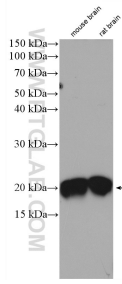
For technical support and original validation data for this product please contact:

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

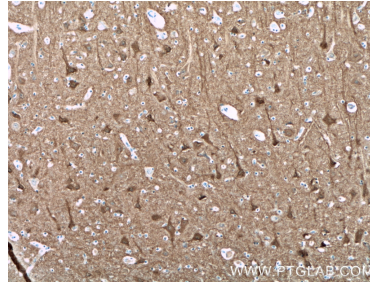
E: proteintech@ptglab.com  
W: ptglab.com

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

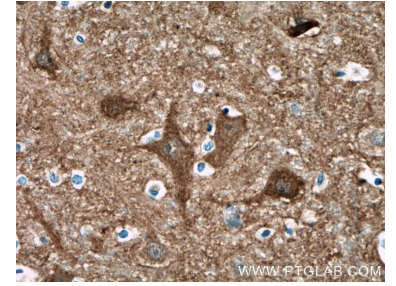
## Ausgewählte Validierungsdaten



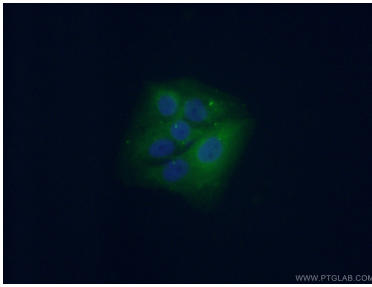
mouse and rat brain tissue were subjected to SDS PAGE followed by western blot with 18149-1-AP (CPLX2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



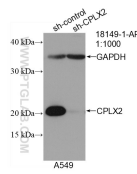
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 18149-1-AP (CPLX2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



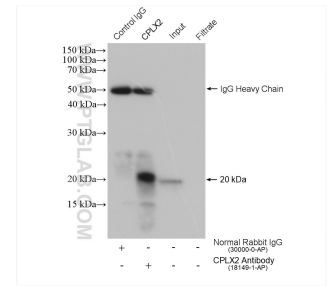
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 18149-1-AP (CPLX2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 18149-1-AP (CPLX2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of CPLX2 antibody (18149-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CPLX2 transfected A549 cells.



IP result of anti-CPLX2(IP:18149-1-AP, 4ug; Detection:18149-1-AP 1:1000) with A549 cells lysate 600 ug.