À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CPLX2

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:18149-1-AP Phare 4 Publications

Informations de base

Numéro de catalogue:
18149-1-AP

Taille:
150ul , Concentration: 650 μg/ml by Nanodrop and 333 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG12838

Numéro d'acquisition GenBank:
BC093706

Identification du gène (NCBI):
10814

Nom complet:
complexin 2

MW calculé
134 aa, 15 kDa

MW observés:
18-20 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu cérébral de souris, cellules A549, tissu cérébral de rat

IP : cellules A549,

IHC : tissu cérébral humain,

IF : cellules A549,

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Minati Singh	31072410	Mol Brain	WB
Marius Walus	26304719	Behav Brain Res	WB
Wang Ziying Z	23982049	Free Radic Biol Med	WB

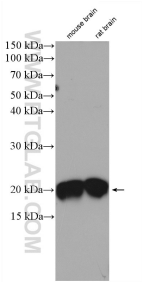
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

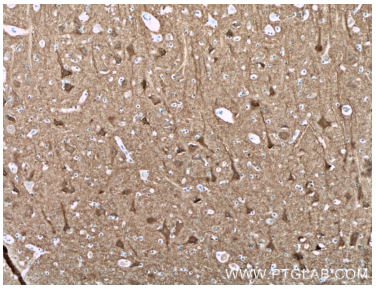
*** Les 20ul contiennent 0,1% de BSA.

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

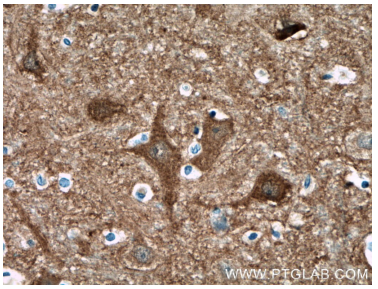
Données de validation sélectionnées



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.

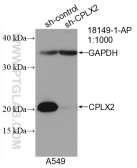


Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 18149-1-AP (CPLX2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

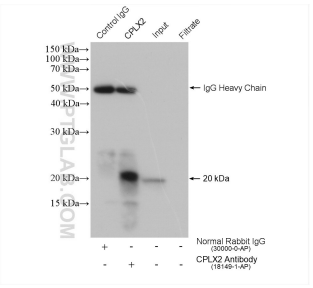


Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 18149-1-AP (CPLX2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

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.