

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-CPLX1



Numéro de catalogue: 10246-2-AP

7 Publications

## Informations de base

Numéro de catalogue: 10246-2-AP	Numéro d'acquisition GenBank: BC002471	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop and 533 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 10815	Dilutions recommandées: WB 1:2000-1:10000 IHC 1:20-1:200 IF 1:10-1:100
Hôte: Lapin	Nom complet: complexin 1	
Isotype: IgG	MW calculé: 15 kDa	
Immunogen Catalog Number: AG0387	MW observés: 15-20 kDa	

## Applications

Applications testées: IF, IHC, WB, ELISA	Contrôles positifs: WB : tissu cérébral de souris, tissu cérébral de rat IHC : tissu cérébral de souris, IF : cellules SH-SY5Y,
Demandes citées: IF, IHC, WB	
Spécificité de l'espèce: Humain, rat, souris	
Espèces citées: Humain, souris, Macaque	
<b>Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.</b>	

## Informations générales

Complexin 1 (CPLX1) is a member of the complexin/syntaxin gene family, which are cytosolic proteins that function in synaptic vesicle exocytosis. Complexins are enriched in neurons where they colocalize with syntaxin and SNAP-25. Complexins bind weakly to syntaxin alone and not at all to synaptobrevin and SNAP-25, but strongly to the SNAP receptor-core complex composed of these three molecules. Complexins also compete with alpha-SNAP for binding to the core complex but not with other interacting molecules, including synaptotagmin I, and regulate the sequential interactions of alpha-SNAP and synaptotagmins with the SNAP receptor during exocytosis. CLPX1 binds to the SNAP receptor complex and disrupts it, leading to the release of transmitters. Alterations of complexins may contribute to the molecular substrate for abnormalities of neural connectivity in severe mental disorders.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Sandra Siegert	26005852	Nat Neurosci	WB
Hazal Haytural	34013204	Brain Commun	IF
Nicole Arnold	27681124	J Virol	IHC

## Stockage

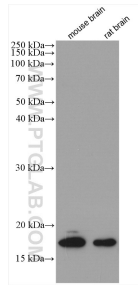
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

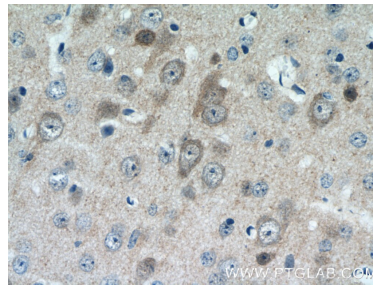
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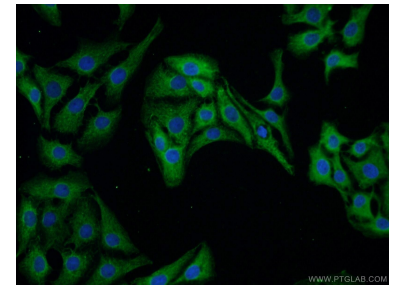
## Données de validation sélectionnées



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 paraffin-embedded mouse brain tissue slide using 10246-2-AP (CPLX1 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of SH-SY5Y cells using 10246-2-AP (CPLX1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).