

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-SNAP25



Numéro de catalogue: 14903-1-AP

Phare

15 Publications

## Informations de base

Numéro de catalogue:

14903-1-AP

Taille:

150ul, Concentration: 650 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG6695

Numéro d'acquisition GenBank:

BC010647

Identification du gène (NCBI):

6616

Nom complet:

synaptosomal-associated protein, 25kDa

MW calculé

23 kDa

MW observés:

25-27 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:10000-1:100000

IP 0.5-4.0 ug for IP and 1:1000-1:7000 for WB

IF 1:50-1:500

## Applications

Applications testées:

IF, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : tissu cérébral de souris, cellules SH-SY5Y, tissu cérébral de rat

IP : tissu cérébral de souris,

IF : cellules SH-SY5Y, cellules PC-12

## Informations générales

The synaptosomal associated protein of 25 kD (SNAP-25) was first identified as a major synaptic protein by Wilson and colleagues. The protein interacts with syntaxin and synaptobrevin through its N-terminal and C-terminal -helical domains. Its palmitoylation domain is located in the middle of the molecule that contains four cysteine residues. Mutation of the cysteines abolishes palmitoylation and membrane binding. Several elegant studies using synaptosome preparations and permeabilized PC12 cells have suggested that SNAP-25 may act in the late post-docking steps of exocytosis. By limited proteolysis and in vitro binding assay, it is proposed that the two helix domains act independently and contribute equally to form the SNARE complex with syntaxin and synaptobrevin. It seems that a major regulatory element is located in the C-terminus of SNAP-25. Removing a 9 amino acid sequence of SNAP-25 inhibited neurosecretion in chromaffin cells. In addition, it has been shown that inhibition of neurosecretion by AX type E can be rescued by a SNAP-25 C-terminal peptide, probably by initiating the formation of a fusion competent SNARE complex.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Tianzhi Li	36173100	Elife	WB
Qingyang Zhang	34551807	Mol Neurodegener	WB
Hugo Ramos	34944588	Biomedicines	WB,IF

## 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:

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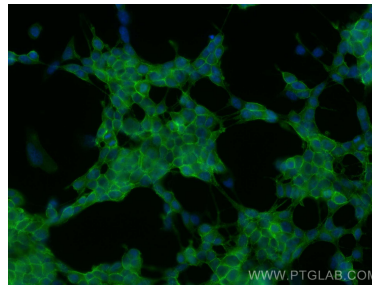
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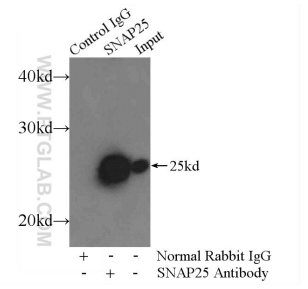
## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 14903-1-AP (SNAP25 antibody) at dilution of 1:60000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using SNAP25 antibody (14903-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-SNAP25 (IP:14903-1-AP, 3ug; Detection:14903-1-AP 1:3500) with mouse brain tissue lysate 3600ug.