

À des fins de recherche uniquement

# Anticorps Monoclonal anti-SNAP25

Numéro de catalogue: CL594-60159



## Informations de base

<b>Numéro de catalogue:</b> CL594-60159	<b>Numéro d'acquisition GenBank:</b> BC010647	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 100ul, Concentration: 2000 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 6616	<b>CloneNo.:</b> 3E4B7
<b>Hôte:</b> Mouse	<b>Nom complet:</b> synaptosomal-associated protein, 25kDa	<b>Dilutions recommandées:</b> WB 1:500-1:1000 IF 1:50-1:500
<b>Isotype:</b> IgG2b	<b>MW calculé:</b> 23 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG6695	<b>MW observés:</b> 25 kDa	

## Applications

<b>Applications testées:</b> IF, WB	<b>Contrôles positifs:</b> WB : tissu cérébral de souris, IF : cellules PC-12,
<b>Spécificité de l'espèce:</b> Humain, porc, rat, souris	

## 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 botulinum toxin E can be rescued by a SNAP-25 C-terminal peptide, probably by initiating the formation of a fusion competent SNARE complex.

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

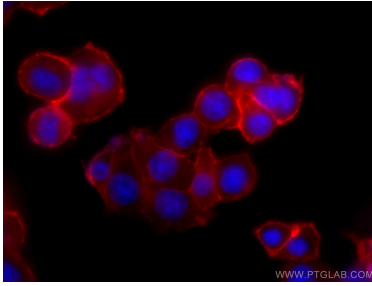
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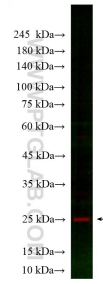
E: proteintech@ptglab.com  
W: ptglab.com

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## Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using CL594-60159 (SNAP25 antibody) at dilution of 1:100.



mouse brain tissue were subjected to SDS PAGE followed by western blot with CL594-60159 (SNAP25 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.