

Nur für Forschungszwecke

# SNAP25 Polyklonaler Antikörper

Katalog-Nr.:14903-1-AP

Vorgestelltes Produkt

14 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
14903-1-AP

Größe:  
150ul, Konzentration: 650 µg/ml von  
Nanodrop und 480 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG6695

GenBank-Zugangsnummer:  
BC010647

GeneID (NCBI):  
6616

Vollständiger Name:  
synaptosomal-associated protein,  
25kDa

Berechnete Masse:  
23 kDa

Beobachtete Masse:  
25-27 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:1000-1:7000  
für WB

IF 1:10-1:100

## Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB : SH-SY5Y-Zellen, Maushirngewebe,  
Rattenhirngewebe

IP : Maushirngewebe,

IF : PC-12-Zellen,

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

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

## 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

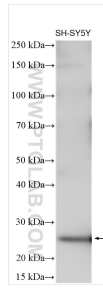
For technical support and original validation data for this product please contact:

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

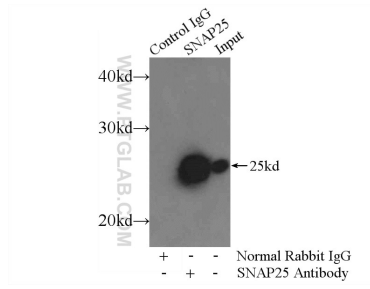
E: proteintech@ptglab.com  
W: ptglab.com

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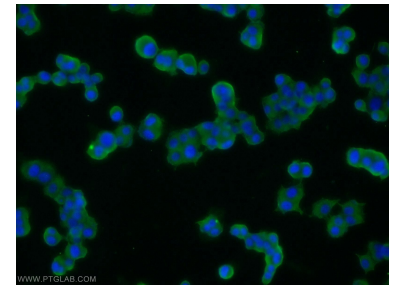
## Ausgewählte Validierungsdaten



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 14903-1-AP (SNAP25 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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



Immunofluorescent analysis of PC-12 cells using 14903-1-AP (SNAP25 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).