

## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL488-60159	<b>GenBank-Zugangsnummer:</b> BC010647	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von6616 Nanodrop;	<b>GeneID (NCBI):</b> synaptosomal-associated protein, 25kDa	<b>CloneNo.:</b> 3E4B7
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> synaptosomal-associated protein, 25kDa	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000 IF 1:50-1:500
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 23 kDa	<b>Anregungs-/Emissionsmaxima- Wellenlängen:</b> 493 nm / 522 nm
<b>Immunogen Katalognummer:</b> AG6695	<b>Beobachtete Masse:</b> 25 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, WB	<b>Positivkontrollen:</b> WB : Maushirngewebe, Rattenhirngewebe
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IF :</b> PC-12-Zellen,

## Hintergrundinformationen

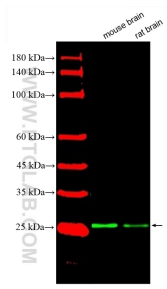
The synaptosomal associated protein of 25 kD (SNAP-25) was first identified as a major synaptic protein by Wilson and colleagues. The protein interacts with syntaxin and synaptobrevin through its N-terminal and C-terminal -helical domains. Its palmitoylation domain is located in the middle of the molecule 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 botulinum toxin E can be rescued by a SNAP-25 C-terminal peptide, probably by initiating the formation of a fusion competent SNARE complex.

## Lagerung

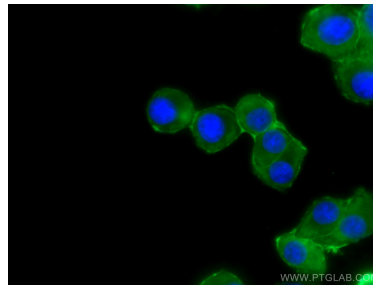
**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with CL488-60159 (SNAP25 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using CL488-60159 (SNAP25 antibody) at dilution of 1:100.