Nur für Forschungszwecke

SNAP25 Monoklonaler Antikörper

Katalog-Nr.:CL594-60159

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Allgemeine Informationen

Katalog-Nr.:
CL594-60159

Größe:
100ul , Konzentration: 2000 μg/ml von Nanodrop;

Wirt:
Maus

Isotyp:
IgG2b

Immunogen Katalognummer:
AG6695

GenBank-Zugangsnummer:
BC010647

GeneID (NCBI):
6616

Vollständiger Name:
synaptosomal-associated protein, 25kDa

Berechneté Masse:
23 kDa

Beobachteté Masse:
25 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
3E4B7

Empfohlene Verdünnungen:
WB 1:500-1:1000
IF 1:50-1:500

Anregungs-/Emissionsmaxima-Wellenlängen:
588 nm / 604 nm

Anwendungen

Geprüfte Anwendungen:
IF, WB

Getestete Reaktivität:
Hausschwein, Human, Maus, Ratte

Positivkontrollen:

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

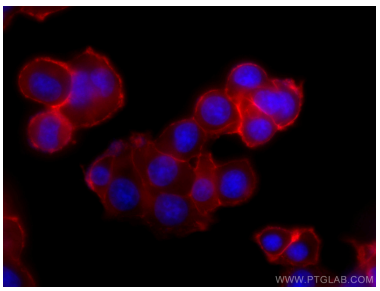
Lagerung

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

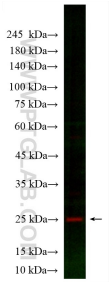
***** 20ul-Größen enthalten 0.1% BSA**

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

Ausgewählte Validierungsdaten



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.