

Allgemeine Informationen

Katalog-Nr.:
30003-1-AP

Größe:
150ul, Konzentration: 400 µg/ml
durch die Bradford-Methode mit BSA
als Standard;

Wirt:
Ziege

Isotyp:
IgG

GenBank-Zugangsnummer:
BC010647

GeneID (NCBI):
6616

Vollständiger Name:
synaptosomal-associated protein,
25kDa

Berechnete Masse:
23 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Anwendungen

Geprüfte Anwendungen:
ELISA

Getestete Reaktivität:
Human, Maus

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 Botox 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.

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

