

Nur für Forschungszwecke

SNAP25 Monoklonaler Antikörper

Katalog-Nr.: 60159-1-Ig **5 Publikationen**



Allgemeine Informationen

Katalog-Nr.: 60159-1-Ig	GenBank-Zugangsnummer: BC010647	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 3100 µg/ml von6616 Nanodrop und 1613 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): synaptosomal-associated protein, 25kDa	CloneNo.: 3E4B7
Wirt: Maus	Vollständiger Name: synaptosomal-associated protein, 25kDa	Empfohlene Verdünnungen: WB 1:5000-1:20000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Isotyp: IgG2b	Berechnete Masse: 23 kDa	IHC 1:1000-1:4000
Immunogen Katalognummer: AG6695	Beobachtete Masse: 25-30 kDa	IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: IF, IHC, WB	WB: Hausschwein-Hirngewebe, fetales humanes Hirngewebe, HEK-293-Zellen, Maushirngewebe, PC-12- Zellen, Rattenhirngewebe
Getestete Reaktivität: Hausschwein, Human, Maus, Ratte	IP: Maushirngewebe,
Zitierte Arten: Human, Maus, Ratte	IHC: Rattenhirngewebe, Maushirngewebe
Hinweis-IHC: Antigendemaskierung mit TE- Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zi-Jun Wang	34007043	Neuropsychopharmacology	WB
Jamal B Williams	34423299	Brain Commun	WB,IF
Xing-Lian Duan	31962145	Neuroscience	WB,IHC

Lagerung

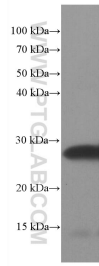
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

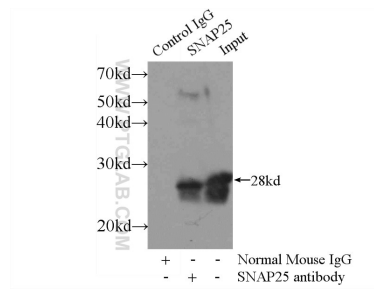
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E: proteintech@ptglab.com
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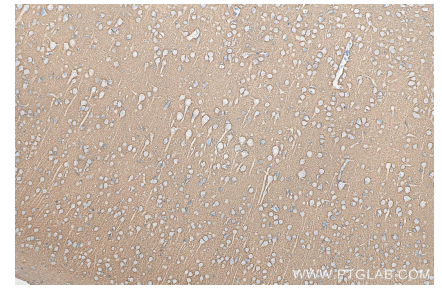
Ausgewählte Validierungsdaten



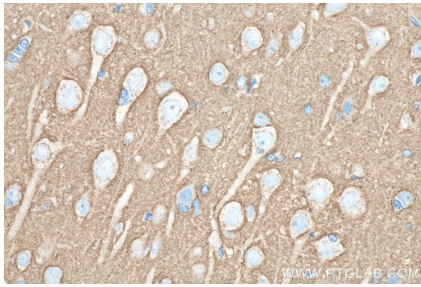
pig brain tissue were subjected to SDS PAGE followed by western blot with 60159-1-Ig (SNAP25 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



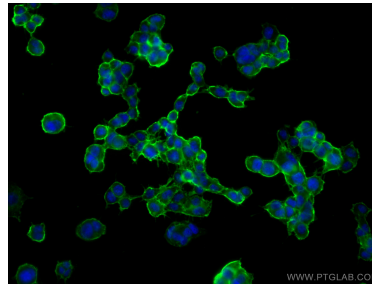
IP Result of anti-SNAP25 (IP:60159-1-Ig, 3ug; Detection:60159-1-Ig 1:500) with mouse brain tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 60159-1-Ig (SNAP25 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 60159-1-Ig (SNAP25 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using SNAP25 antibody (60159-1-Ig, Clone: 3E4B7) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).