À des fins de recherche uniquement

Anticorps Monoclonal anti-SNAP25

Numéro de catalogue:60159-1-Ig 7 Publications

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Informations de base

Numéro de catalogue:
60159-1-Ig

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop and 635 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6695

Numéro d'acquisition GenBank:
BC010647

Identification du gène (NCBI):
6616

Nom complet:
synaptosomal-associated protein, 25kDa

MW calculé
23 kDa

MW observés:
25-30 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
3E4B7

Dilutions recommandées:
WB 1:5000-1:20000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:1000-1:4000
IF 1:200-1:800

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, porc, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu cérébral de porc, cellules HEK-293, cellules PC-12, tissu cérébral de rat, tissu cérébral de souris, tissu cérébral humain fœtal

IP : tissu cérébral de souris,

IHC : tissu cérébral de rat, tissu cérébral de souris

IF : cellules PC-12,

Informations générales

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.

Publications notables

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

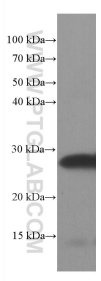
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

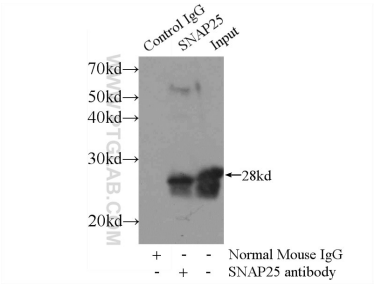
*** Les 20ul contiennent 0,1% de BSA.

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

Données de validation sélectionnées

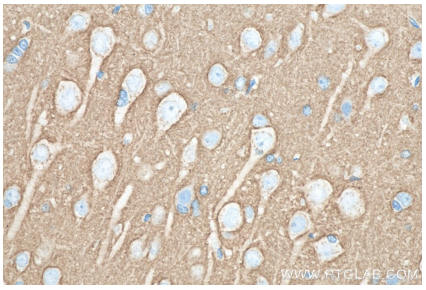


pig brain tissue were subjected to SDS PAGE followed by western blot with 60159-1-Ig (SNAP25 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

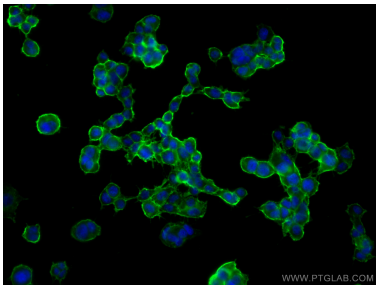


IP Result of anti-SNAP25 (IP:60159-1-Ig, 3ug; Detection:60159-1-Ig 1:500) with mouse brain tissue lysate 3600ug.

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).