For Research Use Only

SNAPIN Polyclonal antibody

Catalog Number:10055-1-AP 13 Publications

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Basic Information

Catalog Number:
10055-1-AP

Size:
400 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0101

GenBank Accession Number:
BC000761

GeneID (NCBI):
23557

UNIPROT ID:
O95295

Full Name:
SNAP-associated protein

Calculated MW:
15 kDa

Observed MW:
15-18 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A375 cells, HEK-293 cells, rat brain tissue

IP : mouse brain tissue,

IHC : human testis tissue, human brain tissue

IF : HepG2 cells,

Background Information

Snapin, a protein of relative molecular weight of 15kd, is implicated in neurotransmission by binding to SNAP-25. Snapin was enriched in neurons and exclusively located on synaptic vesicle membrane, which may be a PKA target for modulating transmitter release through the cAMP-dependent signal-transduction pathway. This anitbody can recognize the 15-18kd(Monomer) and 30-36kd(Dimer) forms of SNAPIN.

Notable Publications

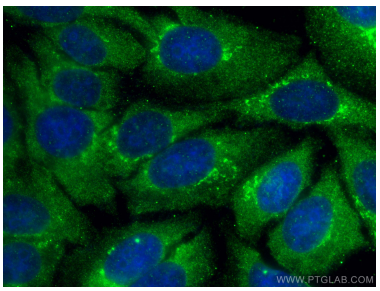
Author	Pubmed ID	Journal	Application
Przemyslaw A Filipek	28993467	J Cell Biol	WB
Kelsey Michelle Wells	35587649	Elife	WB
Mengxue Jiang	34194388	Front Endocrinol (Lausanne)	WB, IHC, IF

Storage

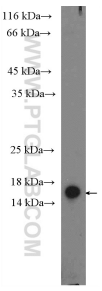
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

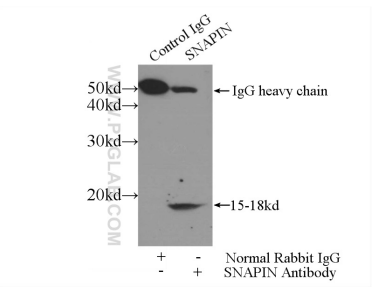
Selected Validation Data



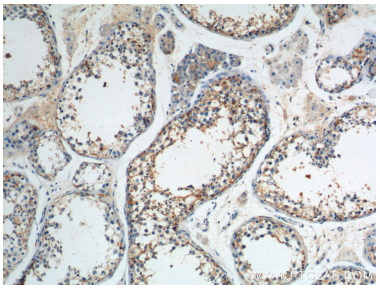
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SNAPIN antibody (10055-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



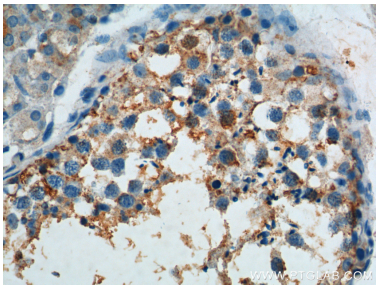
A375 cells were subjected to SDS PAGE followed by western blot with 10055-1-AP (SNAPIN Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



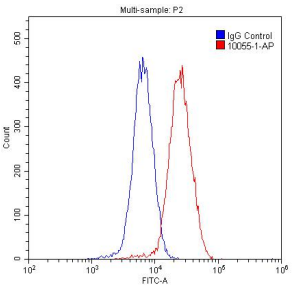
IP result of anti-SNAPIN (IP:10055-1-AP, 5ug; Detection:10055-1-AP 1:300) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10055-1-AP (SNAPIN Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10055-1-AP (SNAPIN Antibody) at dilution of 1:200 (under 40x lens).



1X10^6 HepG2 cells were stained with 0.2ug SNAPIN antibody (10055-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.