

Synaptopodin Rabbit pAb

Catalog Number: bs-3633R

Target Protein: Synaptopodin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg /test)

Reactivity: Human, Mouse, Rat

Predicted MW: 102 kDa

Entrez Gene: 11346

Swiss Prot: Q8N3V7

Source: KLH conjugated synthetic peptide derived from human Synaptopodin: 601-700/903.

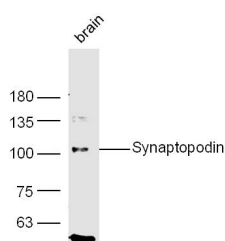
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

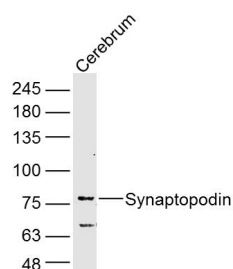
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Synaptopodin is an actin-associated protein that may play a role in actin-based cell shape and motility. May be essential for the formation of spine apparatuses in spines of telencephalic neurons, involved in synaptic plasticity. The name synaptopodin derives from the protein's associations with postsynaptic densities and dendritic spines and with renal podocytes.

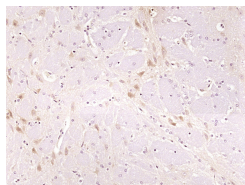
VALIDATION IMAGES



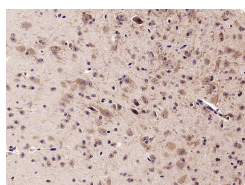
Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-Synaptopodin (bs-3633R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 102 kD Observed band size: 102 kD



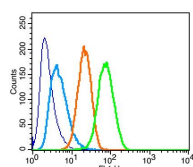
Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-Synaptopodin (bs-3633R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 102 kD Observed band size: 76 kD



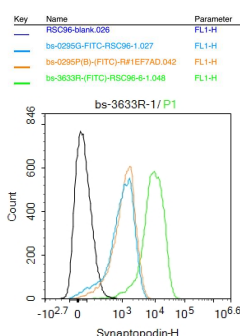
Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Synaptopodin) Polyclonal Antibody, Unconjugated (bs-3633R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Synaptopodin) Polyclonal Antibody, Unconjugated (bs-3633R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Positive control: RSC96 Isotype Control Antibody: Rabbit IgG; Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X PBS containing 0.5% BSA Primary Antibody catalog number: bs-3633R; Dilution: 1µg in 100 µl 1X PBS containing 0.5% BSA



Blank control (black line) :SH-SY5Y. Primary Antibody (green line): Rabbit Anti-Synaptopodin antibody (bs-3633R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.73] Zhang, Xueming, et al. "Resolvin D1 Protects Podocytes in Adriamycin-Induced Nephropathy through Modulation of 14-3-3β Acetylation." PLOS ONE 8.6 (2013): e67471. IP ; ="Mouse" . 23840712

[IF=0] Garovic, Vesna D., and Muthuvel Jayachandran. "DETECTING PODOCYTE INJURY IN DIABETIC NEPHROPATHY AND GLOMERULONEPHRITIS." U.S. Patent No. 20,170,003,299. 5 Jan. 2017. Other ; ="Human" . U.S.PatentNo.20,170,003,299.5