bs-3633R **[Primary Antibody]**

Synaptopodin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 11346 **SWISS:** Q8N3V7

Target: Synaptopodin

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

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

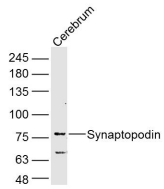
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg /test)

Reactivity: Human, Mouse, Rat

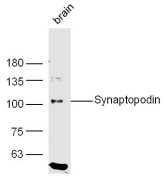
Predicted MW.: 102 kDa

Subcellular Location: Cell membrane ,Cytoplasm

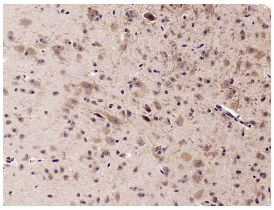
VALIDATION IMAGES



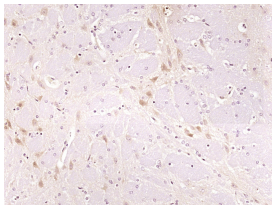
Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-Synaptopodin (bs-3633R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 102 kD Observed band size: 76 kD



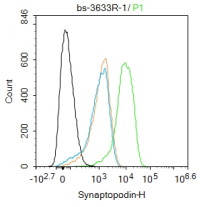
Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-Synaptopodin (bs-3633R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 102 kD Observed band size: 102 kD



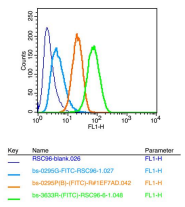
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Synaptopodin) Polyclonal Antibody, Unconjugated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



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



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



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

according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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.

SELECTED CITATIONS

- **[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