

bs-0121R**[Primary Antibody]****SYAP1 Rabbit pAb****BioSS**
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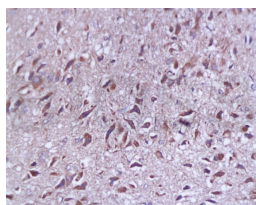
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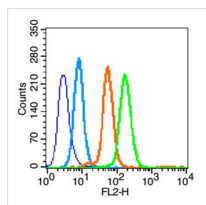
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 94056 Target: SYAP1 Immunogen: KLH conjugated synthetic peptide derived from human SAP-1 : 151-230/352. 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: SYAP1 (synapse-associated protein 1) is a 352 amino acid protein that is ubiquitously expressed in adult tissues. SYAP1 contains one BSD domain which is a novel domain that is present in basal transcription factors, synapse-associated proteins and several hypothetical proteins. The BSD domain is characterized by three predicted alpha helices and by conserved tryptophan and phenylalanine residues, located at the C-terminus of the domain. The gene that encodes SYAP1 in humans is located on chromosome X. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.	Isotype: IgG SWISS: Q96A49	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test) Reactivity: Human, Rat (predicted: Mouse, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 40 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-SYP p38/Synaptophysin/SAP-1 Polyclonal Antibody, Unconjugated(bs-0121R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): Hep G2 (blue). Primary Antibody (green line): Rabbit Anti-SYAP1 antibody (bs-0121R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=15.84]** Han Yang, et al. A Novel Targeted and High - Efficiency Nanosystem for Combinational Therapy for Alzheimer's Disease. Adv Sci. 2020 Oct;7(19):1902906 IF,FCM ;Mouse. 33042734
- **[IF=2.88]** Gao, Yuhua, et al. "Isolation and Characterization of Chicken Dermis-Derived Mesenchymal Stem/Progenitor Cells." BioMed Research International 2013 (2013). Other ;Chicken. 23984389