

bs-11198R**[Primary Antibody]****ProSAPiP1 Rabbit pAb****BioSS**
ANTIBODIES

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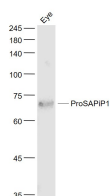
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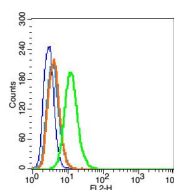
400-901-9800

— DATASHEET —

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 9762</p> <p>Target: ProSAPiP1</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human ProSAPiP1 : 151-250/673.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>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.</p> <p>Background: The ProSAP family of proteins contain many protein-protein interaction domains and serve as scaffolding mediators within the post-synaptic density (PSD) of excitatory brain synapses. The PSD is an electron-dense structure underneath the post-synaptic plasma membrane of excitatory synapses that anchors and clusters glutamate receptors opposite to the pre-synaptic neurotransmitter release site. Shank proteins contain PDZ modular domains that coordinate the synaptic localization of ion channels, receptors, signaling enzymes, and cell adhesion molecules. The PDZ domain mediates protein-protein interactions via the recognition of a conserved sequence motif at the C-terminus of their target protein(s). ProSAPiP1 (proline rich synapse associated protein interacting protein 1) is a 673 amino acid protein that interacts with the PDZ domain of Shank 3. ProSAPiP1 expression is brain-specific with highest expression within the cerebellum, hippocampus and cerebral cortex.</p>	<p>Applications: WB (1:500-2000) Flow-Cyt (1µg/Test)</p> <p>Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, Horse)</p> <p>Predicted MW.: 72 kDa</p> <p>Subcellular Location: Cell membrane ,Cytoplasm</p>
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— VALIDATION IMAGES —

Sample: Eye (Mouse) Lysate at 40 ug Primary:
Anti- ProSAPiP1 (bs-11198R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 72 kD
Observed band size: 72 kD



Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice.. Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1µg in 100 µL1X PBS containing 0.5% BSA(green).

— SELECTED CITATIONS —

- **[IF=2.624]** Liyang Tong. et al. Topical bendazol inhibits experimental myopia progression and decreases the ocular accumulation of HIF - 1α protein in young rabbits. Ophthal Physl Opt. 2020 Sep;40(5):567-576 WB ;Rat. 32839973