

bs-11076R**[Primary Antibody]****BioSS**
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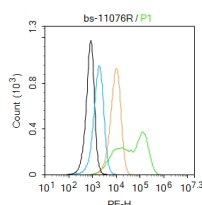
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CNTNAP4 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 85445 Target: CNTNAP4 Immunogen: KLH conjugated synthetic peptide derived from human CNTNAP4: 151-250/1308. 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: Neurexins comprise a family of neuronal cell surface proteins, which include neurexin I (NRXN1), neurexin II (NRXN2), neurexin III (NRXN3) and CASPR (neurexin IV). CASPR4 (contactin associated protein-like 4), also known as CNTNAP4, is a 1,308 amino acid single-pass type I membrane protein belonging to the neurexin family. Possibly a cell adhesion protein, CASPR4 is expressed in multiple regions of the brain such as olfactory bulb, hippocampus and deep cerebellar nuclei, with highest expression found in spinal cord, substantia nigra and subthalamic nucleus. CASPR4 is expressed at moderate levels in fetal brain, with low expression in adult testis. Encoded by a gene that maps to human chromosome 16q23.1, CASPR4 contains four laminin G-like domains, a F5/8 type C domain, two EGF-like domains and a single fibrinogen C-terminal domain.	Isotype: IgG Applications: Flow-Cyt (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Dog, Horse) Predicted MW.: 143 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Blank control:U937. Primary Antibody (green line): Rabbit Anti-CNTNAP4 antibody (bs-11076R)
 Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were 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=8.063]** Zhang W et al. CNTNAP4 deficiency in dopaminergic neurons initiates parkinsonian phenotypes. Theranostics. 2020 Feb 10;10(7):3000-3021. ICC ;mouse. 32194851