

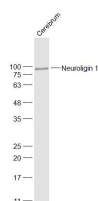
bs-4212R**[Primary Antibody]****Neuroigin 1 Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

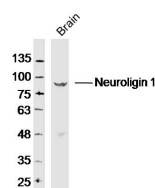
sales@bioss.com.cn

techsupport@bioss.com.cn

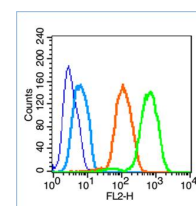
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 22871**SWISS:** Q8N2Q7**Target:** Neuroigin 1**Immunogen:** KLH conjugated synthetic peptide derived from human Neuroigin 1: 701-800/863. < Cytoplasmic >**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:** Neuroigin 1 is a synaptic cell-adhesion molecule that is enriched in postsynaptic densities where it may recruit receptors, channels, and signal-transduction molecules to synaptic sites of cell adhesion. In addition, the neuroigin/beta-neurexin junction may be involved in the excitatory/inhibitory specification of CNS neuron synapses. A role for Neuroigin 1 is also suggested in autism.**Applications:** WB (1:500-2000)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)**Predicted MW.:** 87 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

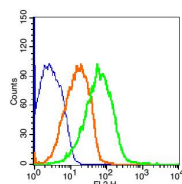
Sample: Cerebrum (Rat) Lysate at 40 ug Primary:
Anti-Neuroigin 1 (bs-4212R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 87 kD
Observed band size: 87 kD



Sample: Brain (Mouse) Lysate at 40 ug Primary:
Anti-Neuroigin 1 (bs-4212R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 87 kD
Observed band size: 87 kD



Blank control (blue line): U251 (fixed with 70% ethanol for 5 min at -20°C). Primary Antibody (green line): Rabbit Anti- Neuroigin 1 antibody (bs-4212R), Dilution: 0.2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution: 1µg /test.



Blank control(blue): Mouse brain cells(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti- Neuroigin 1 /PE Conjugated antibody (bs-4212R /PE), Dilution: 5µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/PE(orange), used under the same conditions.

— SELECTED CITATIONS —

- **[IF=1.5]** Ayşe Soylu. et al. Is Transauricular Vagus Nerve Stimulation the Spark for Modulation of Synaptic Alterations in Ulcerative Colitis?. Bratislava Medical Journal-Bratislavske Lekarske Listy. IHC ;Rat. 10.1007/s44411-025-00098-5