bs-6710R **[Primary Antibody]**

Netrin G1 ligand Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 57689 **SWISS:** Q9HCJ2

Target: Netrin G1 ligand

Immunogen: KLH conjugated synthetic peptide derived from human Netrin G1 ligand: 561-640/640.

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: NGL-1 is a single pass type I membrane protein that acts as a cell adhesion molecule. It contains nine leucine-rich repeats (LRR) and one Ig-like C2-type domain. NGL-1 is predominantly expressed in the striatum and the cerebral cortex of both the embryonic and adult brain. NGL-1 specifically interacts with Netrin G1 (a molecule involved in axon guidance in the developing central nervous system) via its LRR region. NGL-1 plays a role in the regulation of neurite outgrowth of developing thalamic neurons. Soluble NGL-1 inhibits thalamic axon outgrowth while NGL-1 that is bound to the surface of developing thalamocortical axons stimulates growth. NGL-1 also interacts with Whirlin possibly stablizing interstereociliar links.

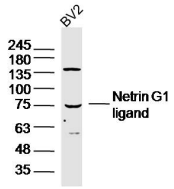
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Dog, Horse)

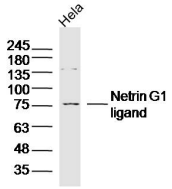
Predicted MW.: 70 kDa

Subcellular Location: Cell membrane

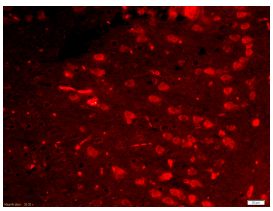
VALIDATION IMAGES



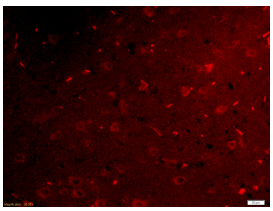
Sample: BV2 Cell (Mouse) Lysate at 40 ug Primary: Anti- Netrin G1 ligand (bs-6710R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 76 kD



Sample: Hela Cell (Human) Lysate at 40 ug Primary: Anti- Netrin G1 ligand (bs-6710R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 76 kD



Tissue/cell: mouse brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-NGL1 Polyclonal Antibody, Unconjugated(bs-6710R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Tissue/cell: rat brain tissue;4%

Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-NGL1 Polyclonal Antibody, Unconjugated(bs-6710R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei