

bs-11323R**[Primary Antibody]**

Neuroglycan C Rabbit pAb

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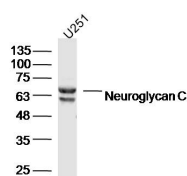
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400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Dog)
GeneID: 10675	SWISS: Q95196	
Target: Neuroglycan C		Predicted MW.: 57 kDa
Immunogen: KLH conjugated synthetic peptide derived from human Neuroglycan C: 351-450/566. < Extracellular >		Subcellular Location: Cell membrane ,Cytoplasm
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: Neuroglycan C is a brain-specific chondroitin sulfate proteoglycan (CSPG) implicated in the proliferation of neural stem and progenitor cells. Neuro-glycan C is a single-pass membrane protein that can manifest as a part-time proteoglycan depending on the tissue expressing it. In its proteoglycan form, Neuroglycan C exhibits chondroitin sulfate glycans and functions as a receptor for midkine, a growth factor that binds heparin, to affect cytoskeletal changes. By means of ectodomain shedding, the ectodomain of Neuroglycan C is able to enhance neurite outgrowth from neurons. Neurite growth stimulation is affected by both an EGF-like and an acidic amino acid domain found on the shed ectodomain. Both domains instigate neurite growth, however, these domains exhibit differing functionality as to number of neurites produced and neuron types stimulated.		

— VALIDATION IMAGES —



Sample: U251 Cell (Human) Lysate at 40 ug
Primary: Anti-Neuroglycan C (bs-11323R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 57 kD
Observed band size: 57/65 kD