

bs-8334R**[Primary Antibody]****NIMP/RTN4IP1 Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

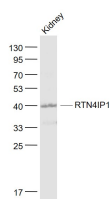
sales@bioss.com.cn

techsupport@bioss.com.cn

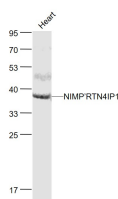
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 84816 Target: NIMP/RTN4IP1 Immunogen: KLH conjugated synthetic peptide derived from human NIMP/RTN4IP1: 111-210/396. 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: Appears to be a potent inhibitor of regeneration following spinal cord injury. Nogo is an oligodendrocyte-specific member of the Reticulon family and is a component of CNS white matter that inhibits axon outgrowth, induces collapse of growth cones of chick dorsal root ganglion cells, and inhibits the spreading of 3T3 fibroblasts. Nogo is expressed by oligodendrocytes but not by Schwann cells, and associates primarily with the endoplasmic reticulum. Nogo exists in three different splice forms, Nogo-A, -B and -C. NIMP (NOGO-interacting mitochondrial protein), also known as RTN4IP1 (Reticulon-4-interacting protein 1), is a 396 amino acid mitochondrial protein that contains a C-terminal oxidoreductaselike domain and numerous sites for phosphorylation. NIMP is expressed in mitochondrial-rich tissue such as kidney, heart, skeletal muscle and specific regions within the nervous system. Through interaction with Nogo, it is likely that NIMP plays a role in Nogo-induced inhibition of neurite growth. There are three isoforms of NIMP that are produced as a result of alternative splicing events.	Isotype: IgG SWISS: Q8WWV3 Applications: WB (1:500-2000) Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig) Predicted MW.: 39 kDa Subcellular Location: Cytoplasm
---	--

— VALIDATION IMAGES —

Sample: Kidney (Mouse) Lysate at 40 ug Primary:
 Anti- NIMP/RTN4IP1 (bs-8334R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 39 kD Observed band size: 40 kD



Sample: Heart (Mouse) Lysate at 40 ug Primary:
 Anti- NIMP/RTN4IP1 (bs-8334R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 39 kD Observed band size: 39 kD