

**bs-6329R****[ Primary Antibody ]****BioSS**  
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**NTR3 Rabbit pAb****— DATASHEET —**

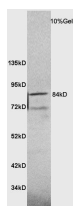
**Host:** Rabbit  
**Clonality:** Polyclonal  
**GeneID:** 6272  
**Target:** NTR3  
**Immunogen:** KLH conjugated synthetic peptide derived from human Sortilin/NTR3/Gp95: 731-831/831.  
**Purification:** affinity purified by Protein A  
**Concentration:** 1mg/ml  
**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
 Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Isotype:** IgG**SWISS:** Q99523**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)

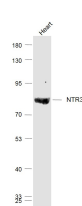
**Reactivity:** Mouse, Rat  
 (predicted: Human,  
 Pig, Cow, Dog,  
 GuineaPig, Horse)

**Predicted  
 MW.:** 84 kDa

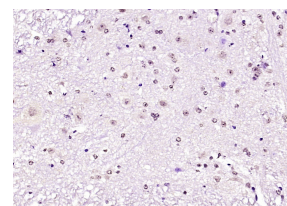
**Background:** Functions as a sorting receptor in the Golgi compartment and as a clearance receptor on the cell surface. Required for protein transport from the Golgi apparatus to the lysosomes by a pathway that is independent of the mannose-6-phosphate receptor (M6PR). Also required for protein transport from the Golgi apparatus to the endosomes. Promotes neuronal apoptosis by mediating endocytosis of the proapoptotic precursor forms of BDNF (proBDNF) and NGFB (proNGFB). Also acts as a receptor for neurotensin. May promote mineralization of the extracellular matrix during osteogenic differentiation by scavenging extracellular LPL. Probably required in adipocytes for the formation of specialized storage vesicles containing the glucose transporter SLC2A4/GLUT4 (GLUT4 storage vesicles, or GSVs). These vesicles provide a stable pool of SLC2A4 and confer increased responsiveness to insulin. May also mediate transport from the endoplasmic reticulum to the Golgi. Tissue specificity: Expressed at high levels in brain, spinal cord, heart, skeletal muscle, thyroid, placenta and testis. Expressed at lower levels in lymphoid organs, kidney, colon and liver.

**— VALIDATION IMAGES —**

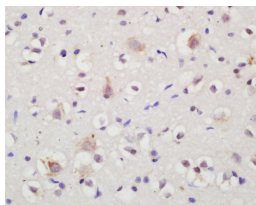
Sample: Brain (Rat) Lysate at 40 ug Primary:  
 Anti-NTR3 (bs-6329R) at 1/300 dilution  
 Secondary: HRP conjugated Goat-Anti-rabbit IgG  
 (bs-0295G-HRP) at 1/5000 dilution Predicted  
 band size: 84 kD Observed band size: 84 kD



Sample: Heart (Mouse) Lysate at 40 ug Primary:  
 Anti-NTR3 (bs-6329R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
 1/20000 dilution Predicted band size: 84 kD  
 Observed band size: 84 kD



Paraformaldehyde-fixed, paraffin embedded  
 (mouse spinal cord); Antigen retrieval by boiling  
 in sodium citrate buffer (pH6.0) for 15min; Block  
 endogenous peroxidase by 3% hydrogen  
 peroxide for 20 minutes; Blocking buffer (normal  
 goat serum) at 37°C for 30min; Antibody  
 incubation with (NTR3) Polyclonal Antibody,  
 Unconjugated (bs-6329R) at 1:200 overnight at  
 4°C, followed by operating according to SP  
 Kit(Rabbit) (sp-0023) instructions and DAB  
 staining.



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-NTR3 Polyclonal Antibody, Unconjugated(bs-6329R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining