

bs-6764R**[Primary Antibody]****BioSS**
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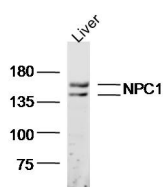
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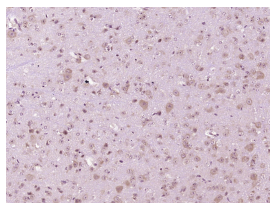
400-901-9800

NPC1 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal Target: NPC1 Immunogen: KLH conjugated synthetic peptide derived from mo NPC1/Niemann Pick C1: 1181-1278/1287. 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: This gene encodes a large protein that resides in the limiting membrane of endosomes and lysosomes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal domain. It is predicted to have a cytoplasmic C-terminus, 13 transmembrane domains, and 3 large loops in the lumen of the endosome - the last loop being at the N-terminus. This protein transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolyzed and released as free cholesterol. Defects in this gene cause Niemann-Pick type C disease, a rare autosomal recessive neurodegenerative disorder characterized by over accumulation of cholesterol and glycosphingolipids in late endosomal/lysosomal compartments.[provided by RefSeq, Aug 2009].	Isotype: IgG Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Human, Rat, Pig, Chicken, GuineaPig) Predicted MW.: 138 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
 Anti-NPC1 (bs-6764R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 138 kD
 Observed band size: 138 kD



Paraformaldehyde-fixed, paraffin embedded
 (Mouse Cerebellum); 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 (NPC1) Polyclonal Antibody,
 Unconjugated (bs-6764R) at 1:400 overnight at
 4°C, followed by operating according to SP
 Kit(Rabbit) (sp-0023) instructions and DAB
 staining.