

bs-9712R**[Primary Antibody]****BioSS**
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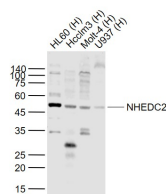
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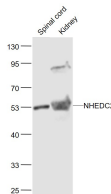
400-901-9800

NHEDC2 Rabbit pAb**— DATASHEET —**

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 133308</p> <p>Target: NHEDC2</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human NHEDC2: 151-250/537.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>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.</p> <p>Background: Na⁺/H⁺ exchangers (NHEs) catalyze the transport of Na⁺ in exchange for H⁺ across membranes in organisms and are required for numerous physiological processes. NHEDC2 (Na⁺/H⁺ exchanger-like domain-containing protein 2), also known as NHA2, is a 537 amino acid mitochondrial protein. NHEDC2 is involved in organelle volume homeostasis by catalyzing the exchange of protons for Na⁺ and Li⁺ across the inner mitochondrial membrane. Found in red blood cells, NHEDC2 is required for bone resorption activity and osteoclast differentiation. As a multi-pass membrane protein, NHEDC2 is expressed as two isoforms produced by alternative splicing events.</p>	<p>Isotype: IgG</p> <p>SWISS: Q86UD5</p>	<p>Applications: WB (1:500-2000)</p> <p>Reactivity: Human, Mouse (predicted: Rat, Rabbit, Dog)</p> <p>Predicted MW.: 58 kDa</p> <p>Subcellular Location: Cell membrane ,Cytoplasm</p>
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— VALIDATION IMAGES —

Sample: Lane 1: HL60 (Human) Cell Lysate at 30 ug
 Lane 2: Hcclm3 (Human) Cell Lysate at 30 ug
 Lane 3: Molt-4 (Human) Cell Lysate at 30 ug
 Lane 4: U937 (Human) Cell Lysate at 30 ug
 Primary: Anti-NHEDC2 (bs-9712R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 50 kD
 Observed band size: 50 kD



Sample: Spinal cord (Mouse) Lysate at 40 ug
 Kidney (Mouse) Lysate at 40 ug
 Primary: Anti-NHEDC2 (bs-9712R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 55 kD
 Observed band size: 53 kD