
NHEDC2 Rabbit pAb

Catalog Number: bs-9712R

Target Protein: NHEDC2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Dog)

Predicted MW: 58 kDa

Subcellular Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 133308

Swiss Prot: Q86UD5

Source: KLH conjugated synthetic peptide derived from human NHEDC2: 151-250/537.

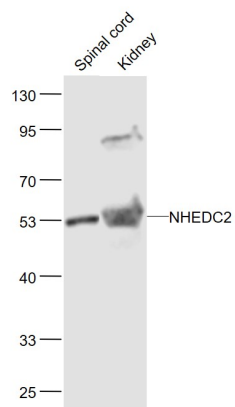
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

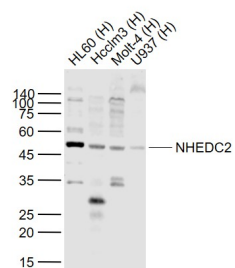
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

VALIDATION IMAGES



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



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