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Datasheet for ABIN1404241 anti-NHEDC2 antibody (Biotin)



| Overview | |
|-------------------|--|
| Quantity: | 100 μL |
| Target: | NHEDC2 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NHEDC2 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |
| Product Details | |
| Immunogen: | KLH conjugated synthetic peptide derived from human NHEDC2 |
| lsotype: | lgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |
| Target Details | |
| Target: | NHEDC2 |
| Alternative Name: | NHEDC2 (NHEDC2 Products) |
| Background: | Synonyms: NHA2, Mitochondrial Na+/H+ exchanger NHA2, Mitochondrial sodium/hydrogen exchanger NHA2, Na+/H+ exchanger like domain containing protein 2, Na+/H+ exchanger domain containing 2, NHE domain containing protein 2, NHE10, NHEDC 2, Sodium/hydrogen |

exchanger like domain containing protein 2, SL9B2_HUMAN.

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| | 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. |
|---------------------|---|
| Gene ID: | 133308 |
| Pathways: | Proton Transport |
| Application Details | |
| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 μg/μL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |