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Datasheet for ABIN1422109 anti-NHEDC2 antibody (Cy5.5)

Overview

Quantity:	100 µL
Target:	NHEDC2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NHEDC2 antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NHEDC2
Isotype:	IgG
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.

Target Details

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: IF(IHC-P) 1:50-200

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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months