Datasheet for ABIN1437279

anti-NHEDC2 antibody (PE-Cy5)

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Overview

Quantity:	100 µL
Target:	NHEDC2
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NHEDC2 antibody is conjugated to PE-Cy5
Application:	Western Blotting (WB)

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.
Molecular Weight:	57kDa
Gene ID:	133308
Pathways:	Proton Transport

Application Details

Application Notes:	FCM(1:100-500) Optimal working dilution should be determined by the investigator.
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:	Sodium azide
Precaution of Use:	This product contains sodium azide: 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