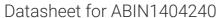
# antibodies -online.com





## anti-NHEDC2 antibody (Alexa Fluor 647)



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Quantity:	100 μL	
Target:	NHEDC2	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NHEDC2 antibody is conjugated to Alexa Fluor 647	
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/hydroger 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/hydroger 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