

DATASHEET

NDUFA4L2 Rabbit Polyclonal Antibody

CAT. NO. APA08155

KEY FEATURES

Target	NDUFA4L2	Source / Host	Rabbit
Reactivity	Human, Mouse, Bovine, Monkey	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Mitochondrial protein that plays a regulatory role in cellular metabolism, particularly under hypoxic conditions . Downregulates mitochondrial respiratory chain complex I activity under hypoxia, reduces oxygen consumption and ROS and helps cells adapt by switching to glycolysis .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to NDUFA4L2
Specificity	Recognizes endogenous levels of NDUFA4L2 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NDUFA4L2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 9 kD; Observed: 10 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4-like 2; NADH-ubiquinone oxidoreductase MLRQ subunit homolog; NUOMS
Gene Symbol	NDUFA4L2
Entrez Gene	56901(Human); 407790(Mouse)
SwissProt	Q9NRX3(Human); Q4FZG9(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

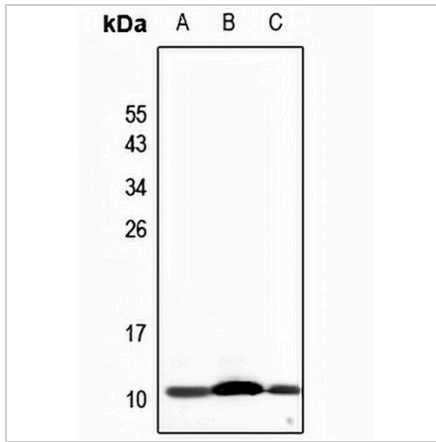
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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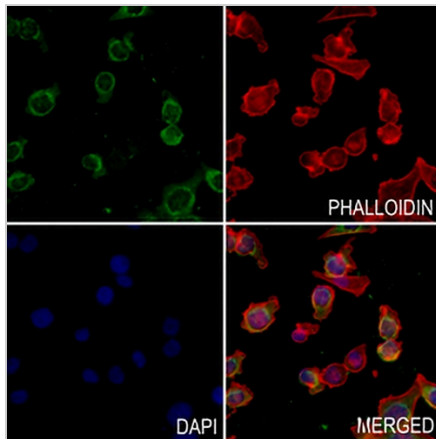
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Western blot analysis of NDUFA4L2 expression in HepG2 (A), LO2 (B), HCT116 (C) whole cell lysates. (Predicted band size: 9 kD; Observed band size: 10 kD)



Immunofluorescent analysis of NDUFA4L2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.