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Anti-NDUFA4L2 Antibody

Catalog # AP59855

Product Information

Application	WB, IF/IC
Primary Accession	Q9NRX3
Reactivity	Human, Mouse, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9966

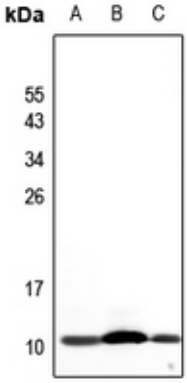
Additional Information

Gene ID	56901
Other Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4-like 2; NADH-ubiquinone oxidoreductase MLRQ subunit homolog; NUOMS
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NDUFA4L2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

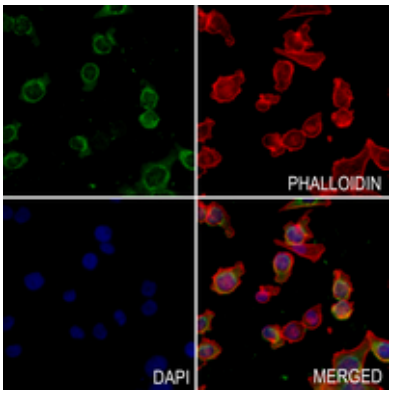
Protein Information

Name	COXFA4L2 (HGNC:29836)
Synonyms	NDUFA4L2
Function	Mitochondrial protein that plays a regulatory role in cellular metabolism, particularly under hypoxic conditions (PubMed:22100406). Down-regulates mitochondrial respiratory chain complex I activity under hypoxia, reduces oxygen consumption and ROS and helps cells adapt by switching to glycolysis (PubMed:22100406).
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein

Images



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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.