

NDUFAF2 Polyclonal Antibody

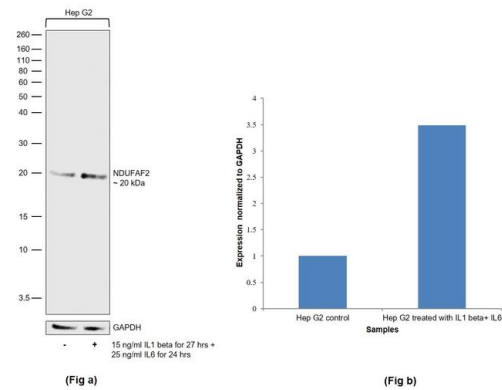
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Fusion protein corresponding to a region derived from internal residues of human NADH dehydrogenase (ubiquinone) complex I, assembly factor 2
Form	Liquid
Concentration	2.6 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 40% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2635905

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

The antibody detects endogenous levels of total NDUFAF2 protein.

Product Images For NDUFAF2 Polyclonal Antibody



NDUFAF2 Antibody (PA5-50452)

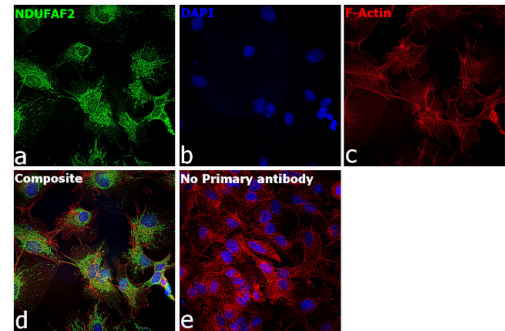
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot analysis (Fig a) using NDUFAF2 Polyclonal Antibody (Product # PA5-50452), shows upregulation of NDUFAF2 expression in Hep G2 cells treated with IL1 beta and IL6 (doi: 10.1186/1471-2121-10-23). Densitometric analysis of this western blot is shown in histogram (Fig. b). {TM}

NDUFAF2 Antibody (PA5-50452) in WB

Western blot was performed using Anti-NDUFAF2 Polyclonal Antibody (Product # PA5-50452) and a 20 kDa band corresponding to NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2 was observed. Whole cell extracts (30 µg lysate) of Raji (Lane 1), PC-3 (Lane 2), HEK-293 (Lane 3), SK-BR-3 (Lane 4), HeLa (Lane 5), T98G (Lane 6), MCF7 (Lane 7) and tissue extracts (30 µg lysate) of Mouse Heart (Lane 8), Rat Heart (Lane 9) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0342BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

NDUFAF2 Antibody (PA5-50452) in ICC/IF

Immunofluorescence analysis of NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2 was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with NDUFAF2 Polyclonal Antibody (Product # PA5-50452) at 1:100 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing predominantly Mitochondrial localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7C115LZR).



For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.