

Catalog #: 65225

Aliases

NDUFS1; NADH:Ubiquinone Oxidoreductase Core Subunit S1; NADH-Ubiquinone Oxidoreductase 75 KDa Subunit, Mitochondrial; CI-75k; NADH Dehydrogenase (Ubiquinone) Fe-S Protein 1, 75kDa (NADH-Coenzyme Q Reductase); Complex I 75kDa Subunit 2 3NADH Dehydrogenase (Ubiquinone) Fe-S Protein 1 (75kD) (NADH-Coenzyme Q Reductase); Mitochondrial NADH-Ubiquinone Oxidoreductase 75 KDa Subunit; Complex I, Mitochondrial Respiratory Chain, 75-KD Subunit; Complex I-75kD; EC 7.1.1.2; CI-75Kd; PRO1304; CI-75kD; MC1DN5

Background

Gene Name: NDUFS1

NCBI Gene Entry: [4719](#)

UniProt Entry: [P28331](#)

Application Information

Molecular Weight: Predicted, 79 kDa; observed, 74 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB240

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Ndufs1

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:1,000

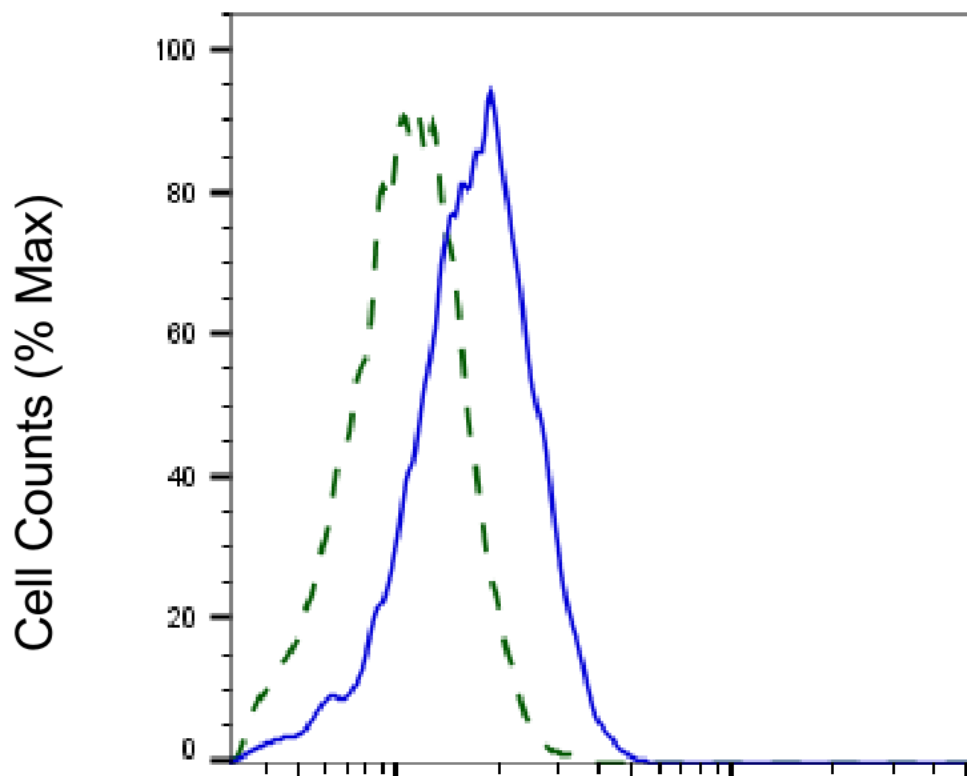
KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody

PAGE 2

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data



Copyright ©2025 Genuin Biotechnologies LLC

NDUFS1-Alexa Fluor® 647

Validation of NDUFS1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HT-1080 cells were stained with anti-NDUFS1 antibody (Cat#65225, 1:2,000) and analyzed using BD flow cytometer.

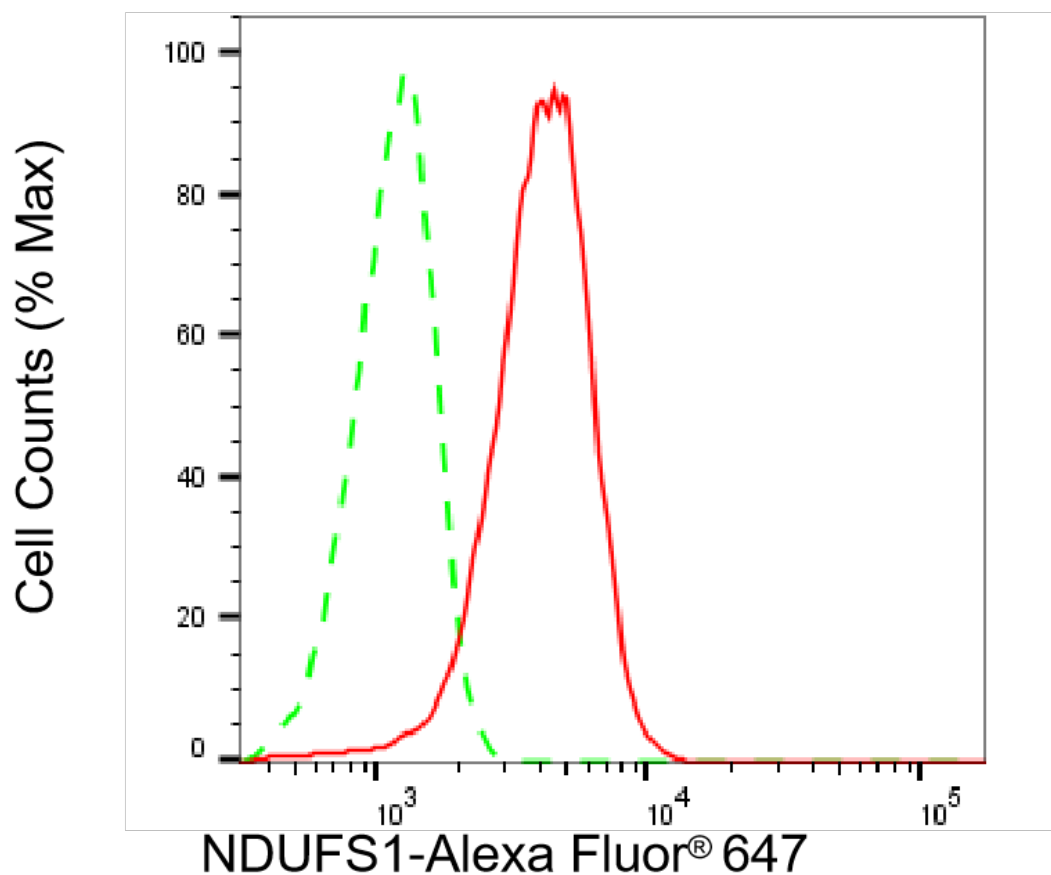
SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

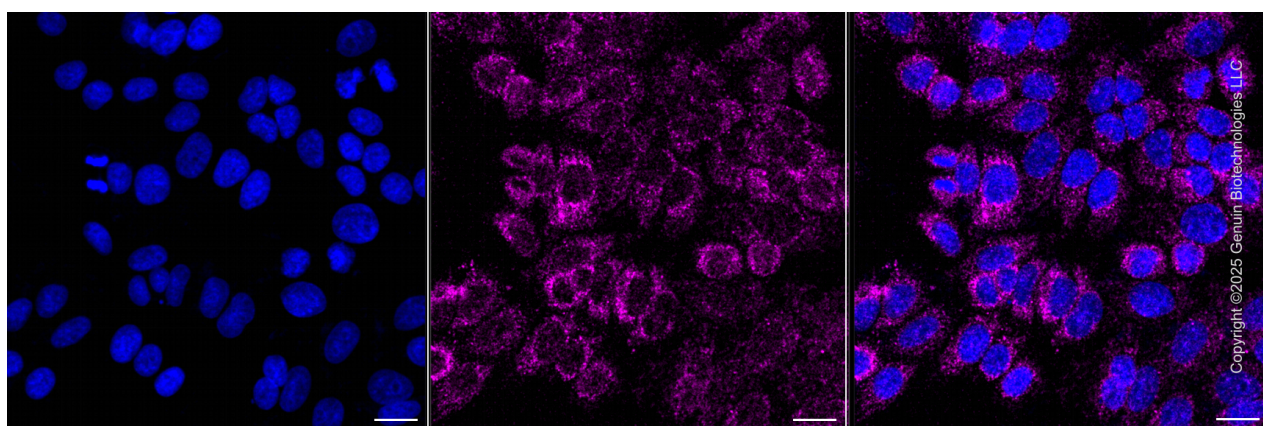
ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



Flow cytometric analysis of NDUFS1 expression in HepG2 cells using anti-NDUFS1 antibody (Cat#65225, 1:2,000). Green, isotype control; red, NDUFS1.



Immunocytochemical staining of HepG2 cells with anti-NDUFS1 antibody (Cat#65225, 1:1,000) . Nuclei were stained blue with DAPI; NDUFS1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.

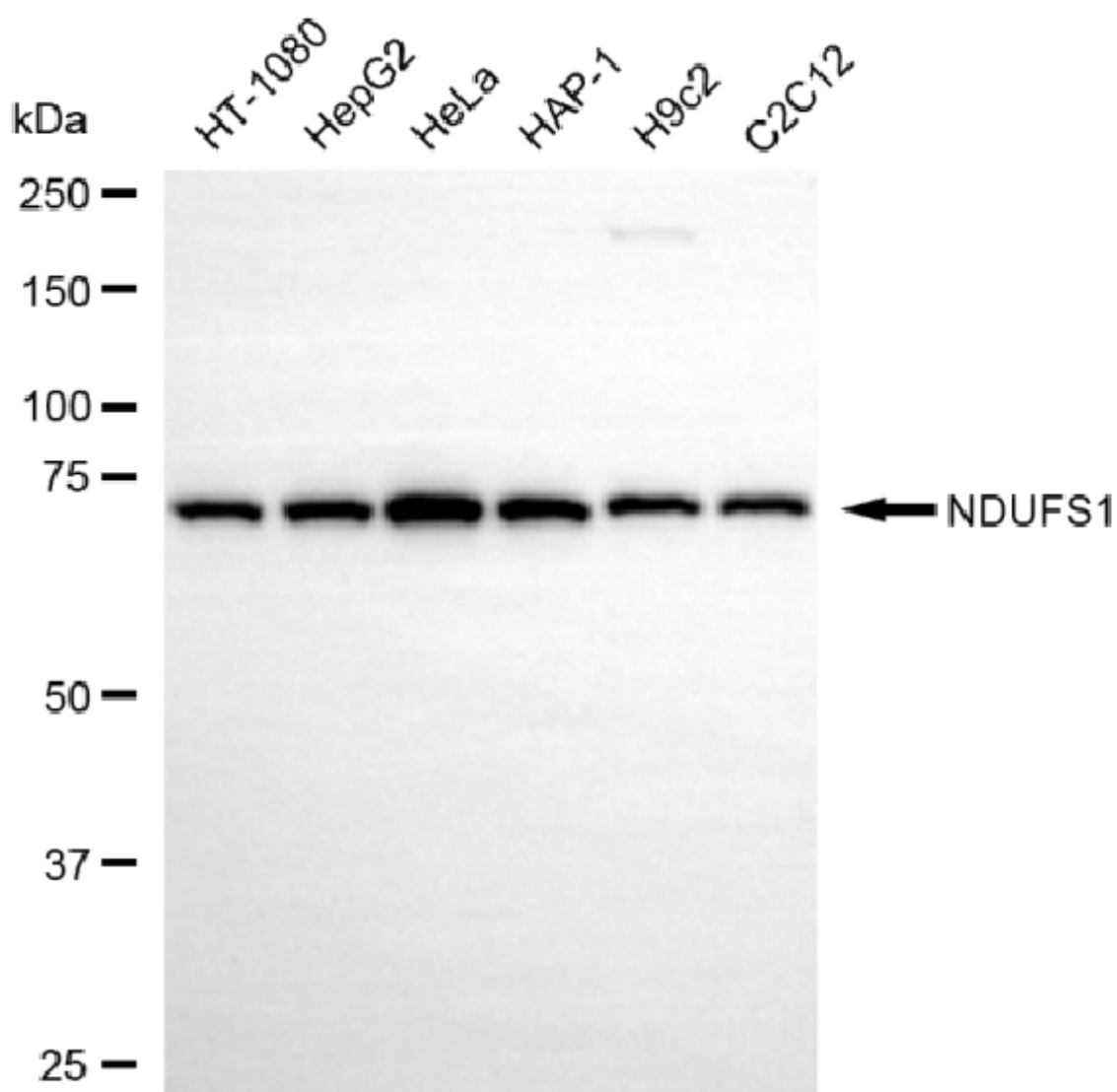
SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

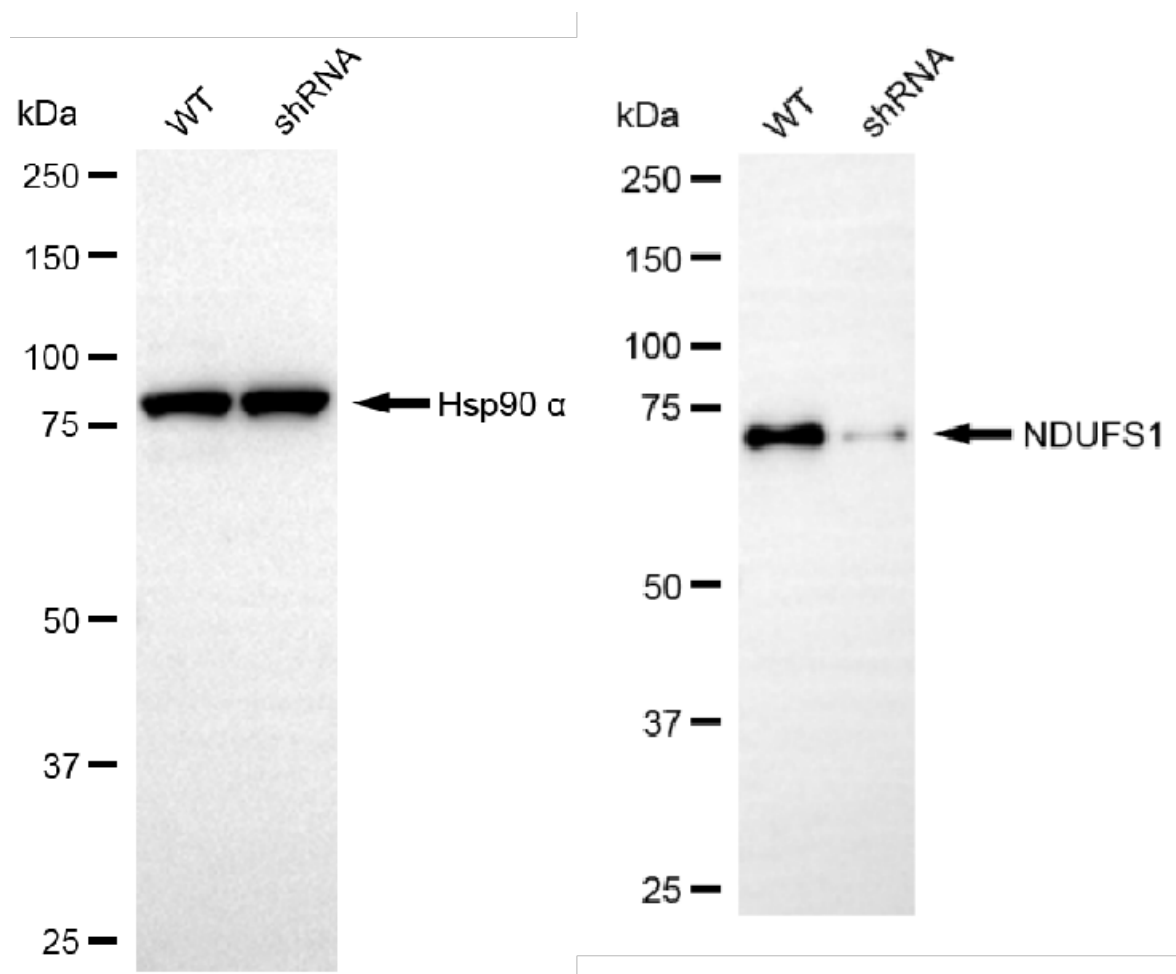
SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



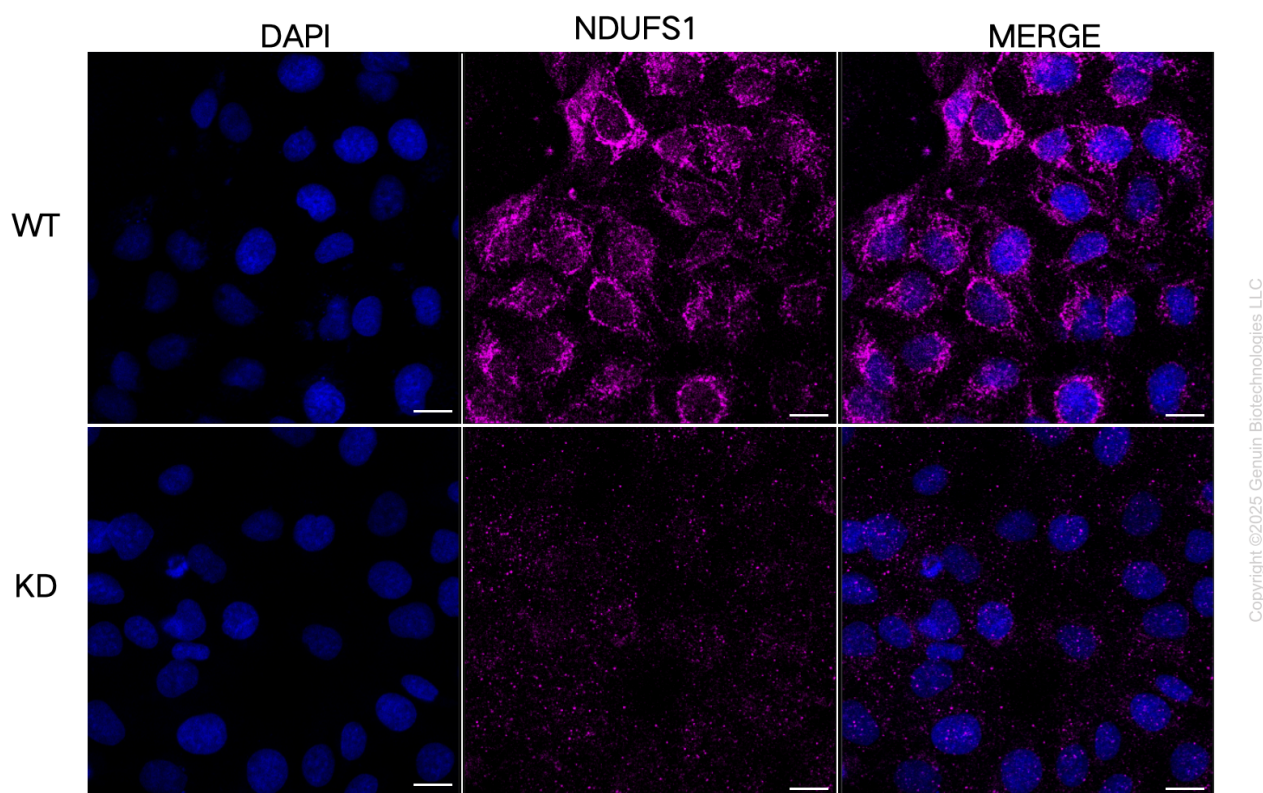
Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-NDUFS1 antibody (Cat#65225). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NDUFS1 antibody (Cat#65225, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-NDUFS1 antibody (Cat#65225). NDUFS1 expression in wild-type (WT) and NDUFS1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-NDUFS1 antibody (Cat#65225, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Immunocytochemical staining of HeLa cells using anti-NDUFS1 antibody (Cat#65225, 1:1,000), Top panel: wild-type (WT); Bottom panel: NDUFS1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; NDUFS1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.