

KD-Validated Anti-NDUFB9 Recombinant Rabbit Monoclonal Antibody



Catalog #: 62276

Aliases

NADH:Ubiquinone Oxidoreductase Subunit B9; UQOR22; LYRM3; B22; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 9, 22kDa; NADH Dehydrogenase [Ubiquinone] 1 Beta Subcomplex Subunit 9; NADH-Ubiquinone Oxidoreductase B22 Subunit; LYR Motif-Containing Protein 3; Complex I B22 Subunit; CI-B22; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 9 (22kD, B22); Complex I-B22; MC1DN24

Background

Gene Name: NDUFB9

NCBI Gene Entry: [4715](#)

UniProt Entry: [Q9Y6M9](#)

Application Information

Molecular Weight: Predicted, 22 kDa, observed, 22 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB90

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human NDUFB9

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): 1:2,000

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

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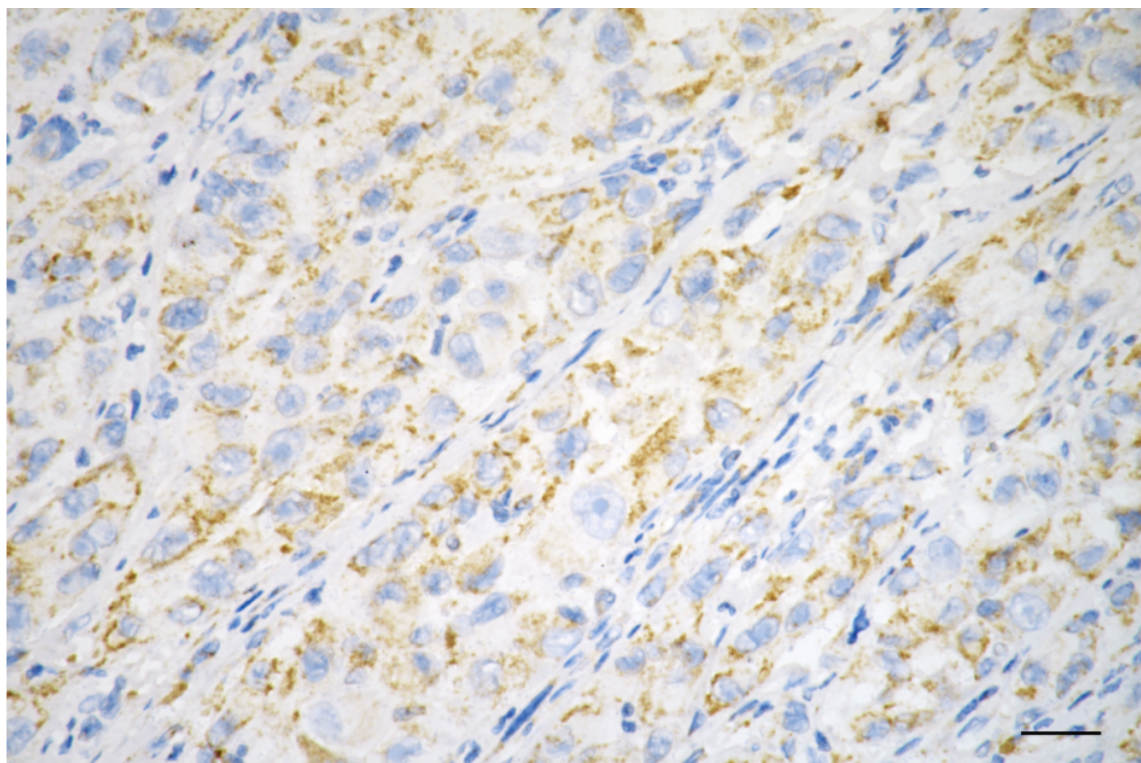
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Immunohistochemistry (IHC): 1:100-1:200

Note: This product is for research use only.

Validation Data



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Immunohistochemistry was performed on paraffin-embedded human melanoma using anti-NDUFB9 antibody (Cat#62276, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.

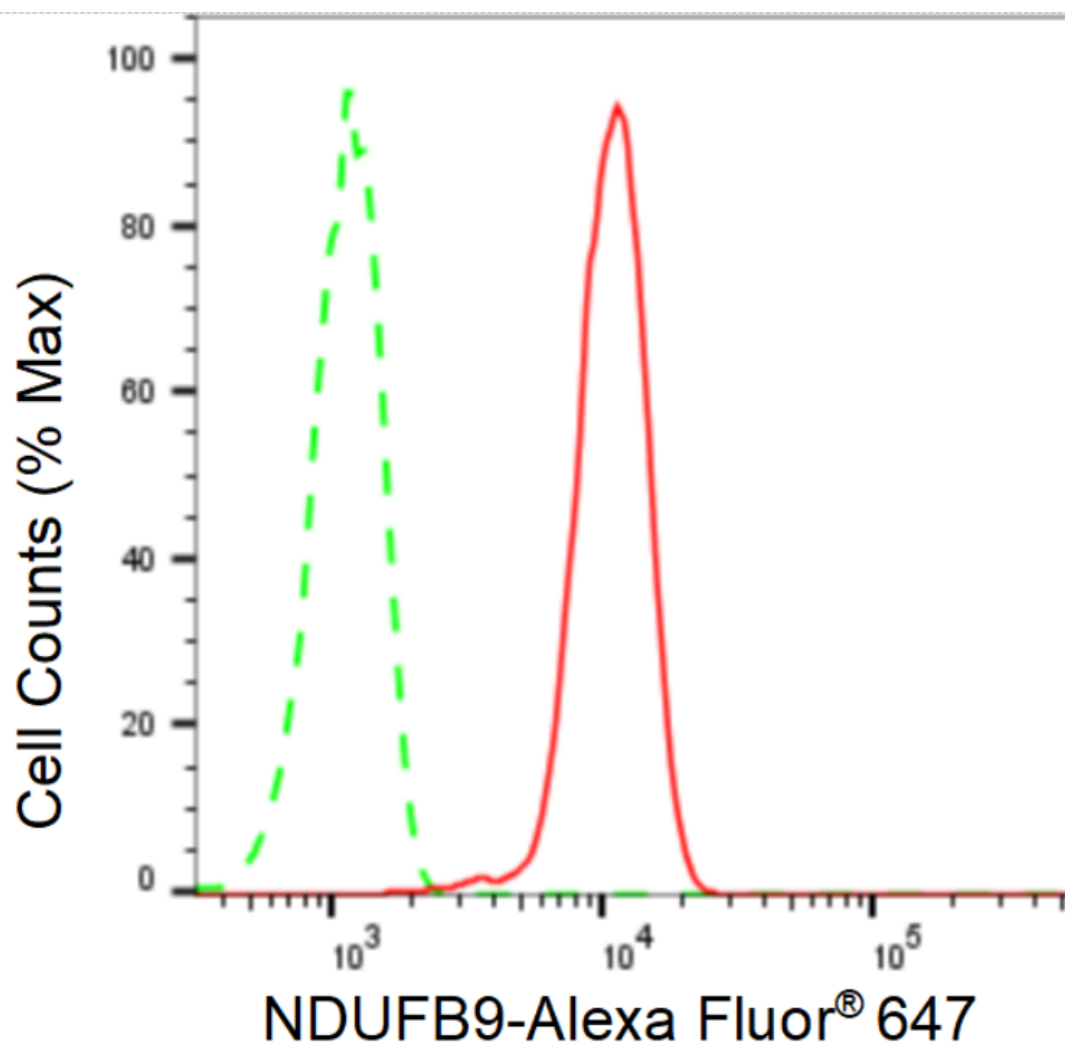
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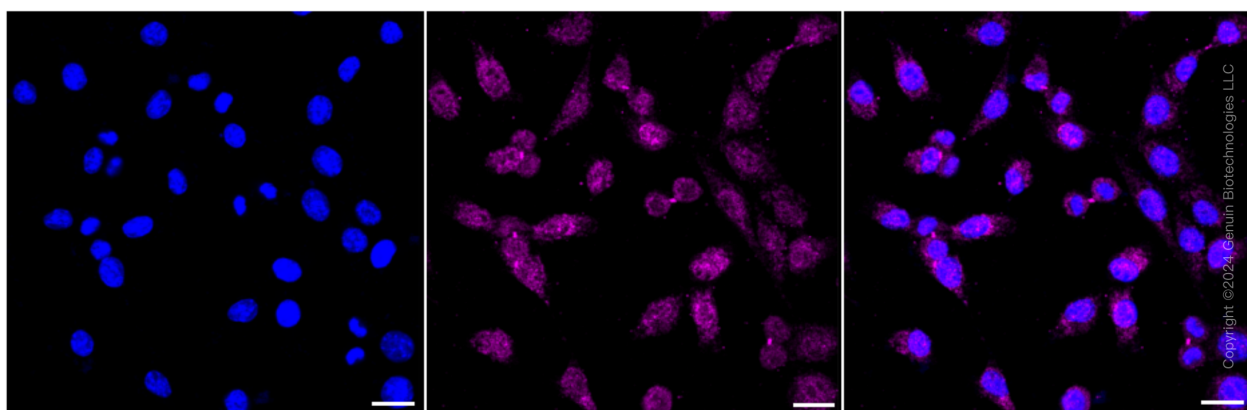
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Flow cytometric analysis of NDUFB9 expression in C2C12 cells using NDUFB9 antibody (Cat#62276, 1:2,000). Green, isotype control; red, NDUFB9.



Immunocytochemical staining of C2C12 cells with anti-NDUFB9 antibody (Cat#62276, 1:1,000). Nuclei were stained blue with DAPI; NDUFB9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

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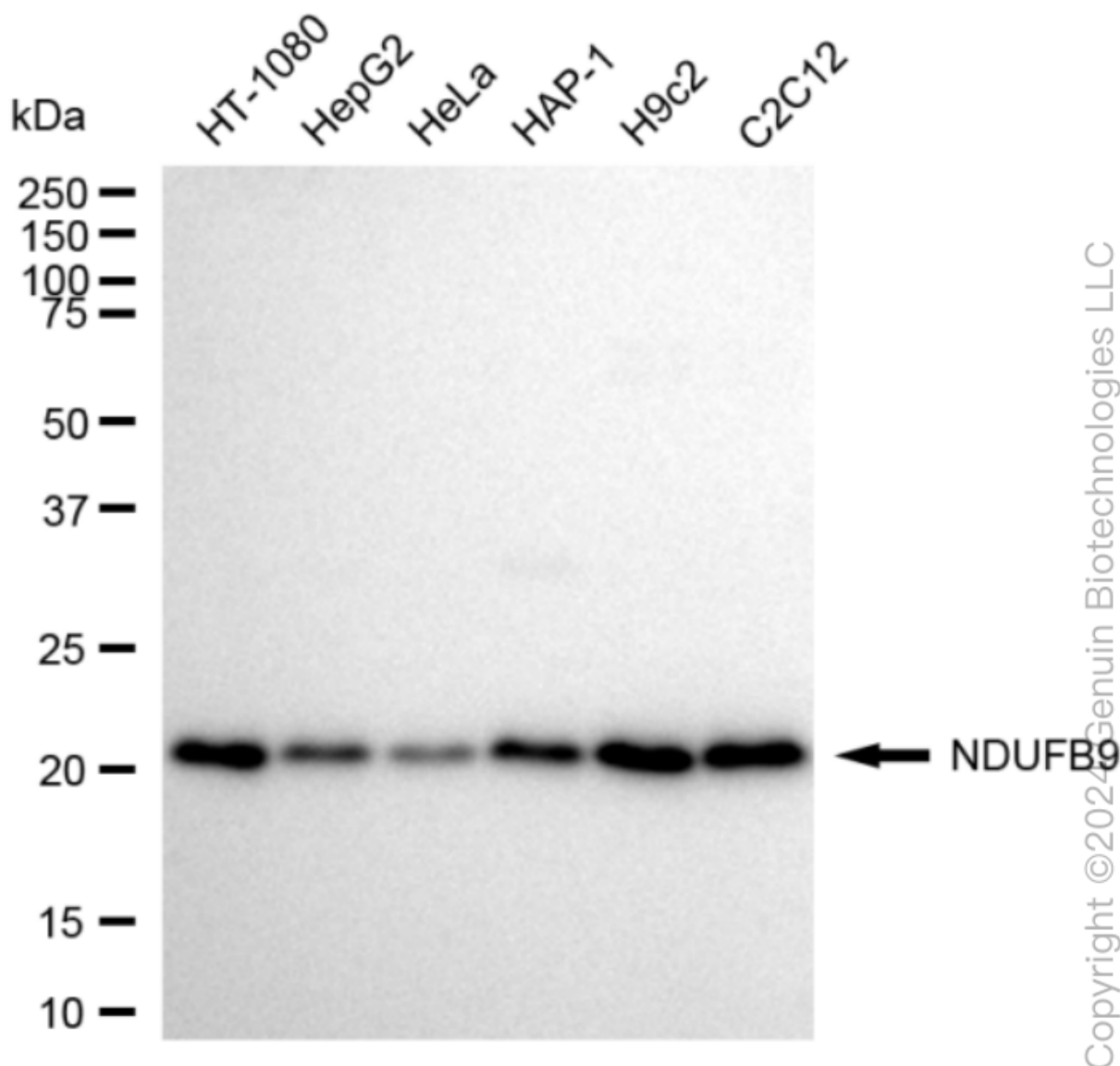
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gain: High. Scale bar: 20 μ m.



Western blotting analysis using anti-NDUFB9 antibody (Cat#62276). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NDUFB9 antibody (Cat#62276, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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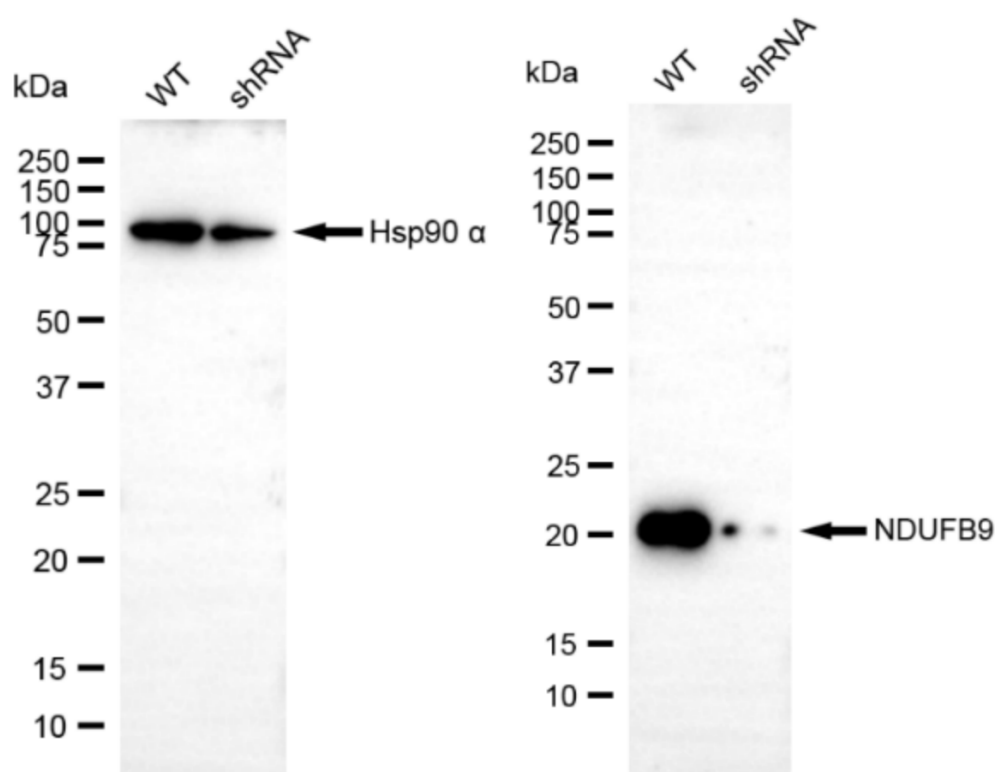
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Western blotting analysis using anti-NDUFB9 antibody (Cat#62276). NDUFB9 expression in wild type (WT) and NDUFB9 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-NDUFB9 antibody (Cat#62276, 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).

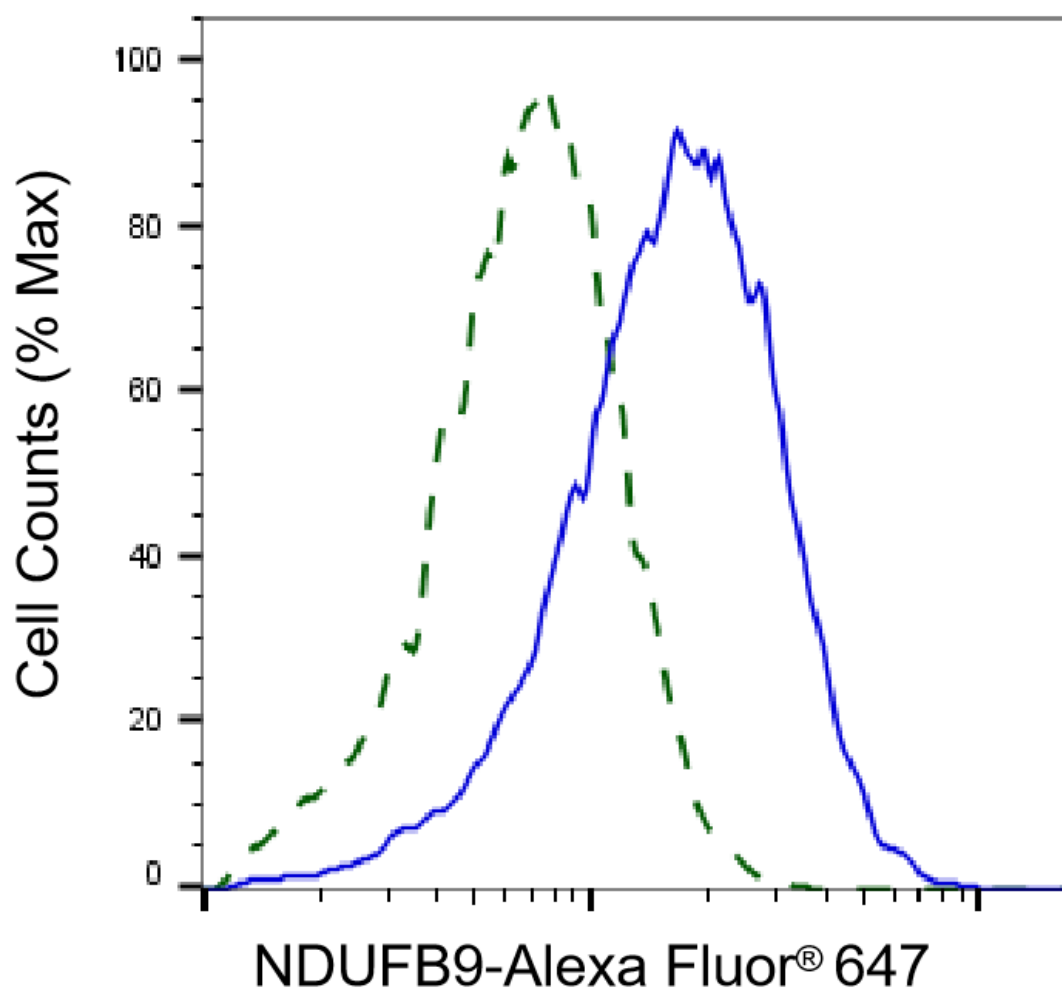
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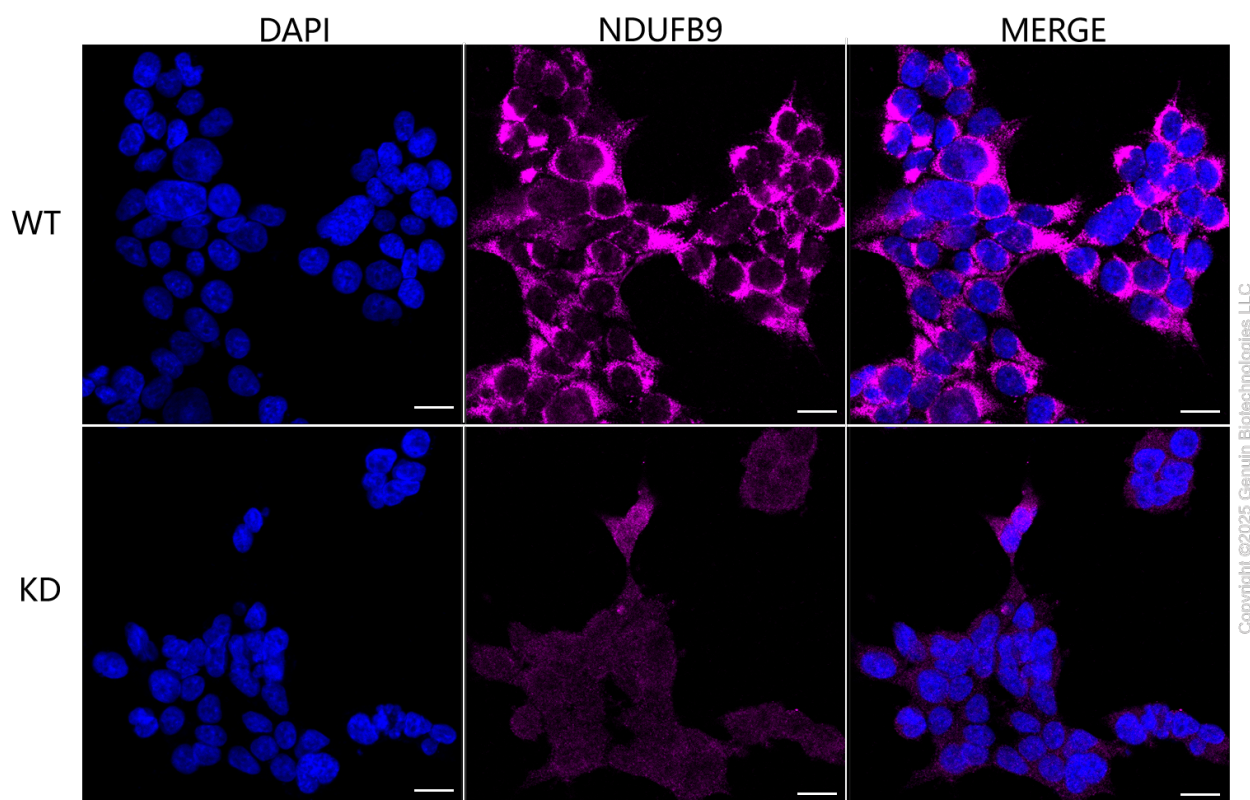
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Validation of NDUFB9 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-NDUFB9 antibody (Cat#62276, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-NDUFB9 antibody (Cat#62276, 1:1,000), Top panel: wild-type (WT); Bottom panel: NDUFB9 shRNA knockdown (KD). Nuclei were stained blue with DAPI;NDUFB9 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m. Permeabilization: Triton.