

KD-Validated Anti-NDUFS3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

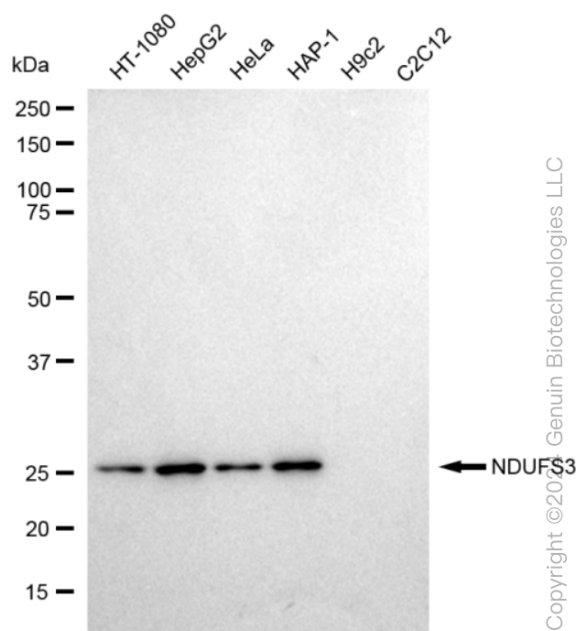
ABG1071

Product Overview

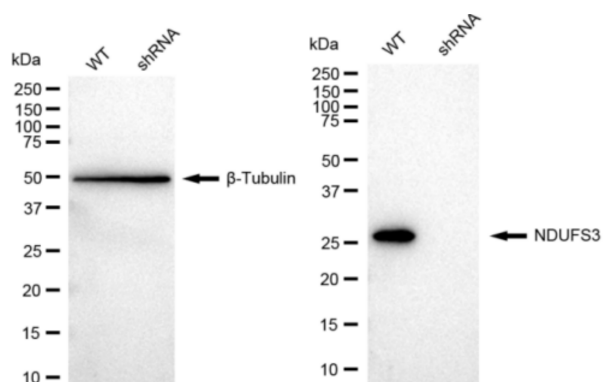
Name	KD-Validated Anti-NDUFS3 Rabbit Monoclonal Antibody
Accession(Primary)	O75489
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human NDUFS3
Species Reactivity	Human
Calculated MW	Predicted, 30 kDa, observed, 26 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (O75489)

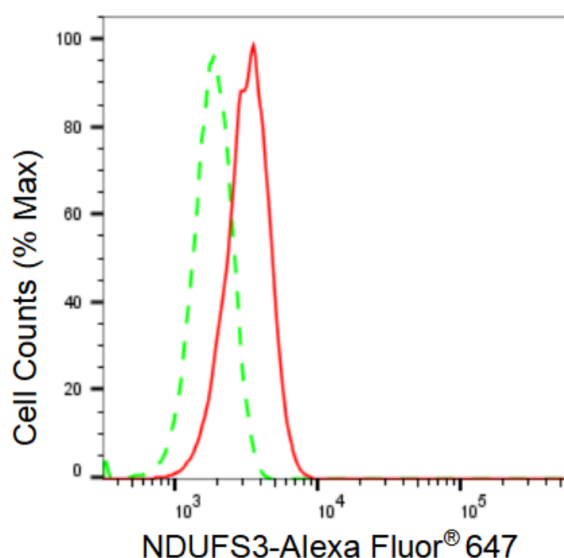
Gene Name	NDUFS3
About Gene Symbol	NDUFS3 (NADH:Ubiquinone Oxidoreductase Core Subunit S3) is a metabolic dehydrogenase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



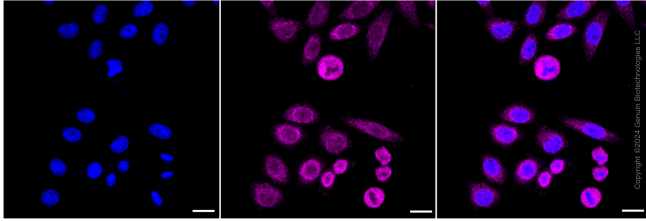
Western blotting analysis using anti-NDUF53 antibody (Cat#ABG1071). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NDUF53 antibody (Cat#ABG1071, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-NDUF53 antibody (Cat#ABG1071). NDUF53 expression in wild type (WT) and NDUF53 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-NDUF53 antibody (Cat#ABG1071, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of NDUF53 expression in HepG2 cells using NDUF53 antibody (Cat#ABG1071, 1:2,000). Green, isotype control; red, NDUF53.



Immunocytochemical staining of HepG2 cells with NDUF53 antibody (Cat#ABG1071, 1:1,000). Nuclei were stained blue with DAPI; NDUF53 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 μ m.