

# KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

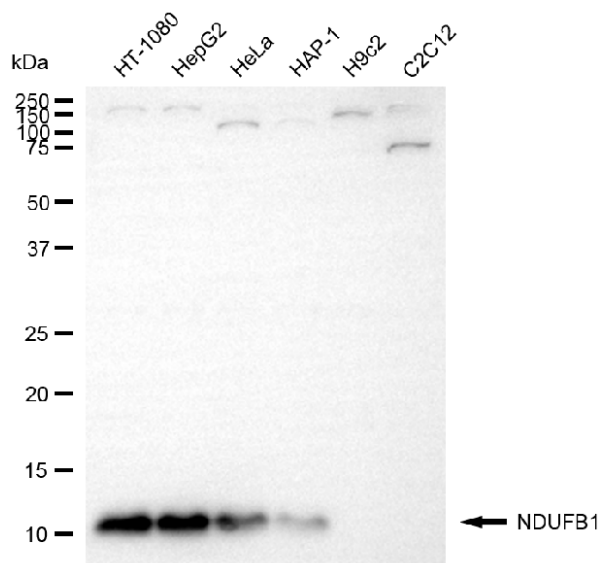
ABG2110

## Product Overview

|                             |                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody                                                        |
| <b>Accession(Primary)</b>   | O75438                                                                                                     |
| <b>Host Species</b>         | Rabbit                                                                                                     |
| <b>Clonality</b>            | Monoclonal                                                                                                 |
| <b>Isotype</b>              | Rabbit IgG                                                                                                 |
| <b>Immunogen</b>            | Recombinant protein of human NDUFB1                                                                        |
| <b>Species Reactivity</b>   | Human                                                                                                      |
| <b>Calculated MW</b>        | Predicted, 7 kDa, observed, 10 kDa                                                                         |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                  |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:1,000Immunocytochemistry (IC): 1:100-1:1,000 |

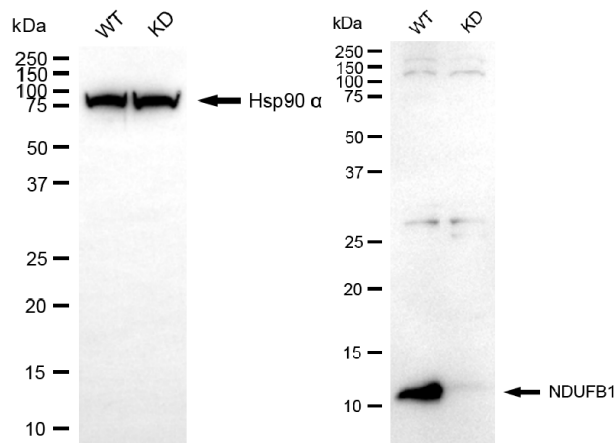
## Target information (O75438)

|                          |                                                                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | NDUFB1                                                                                                                                                                                                                                                          |
| <b>About Gene Symbol</b> | NDUFB1 (NADH:Ubiquinone Oxidoreductase Subunit B1) 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 mec |



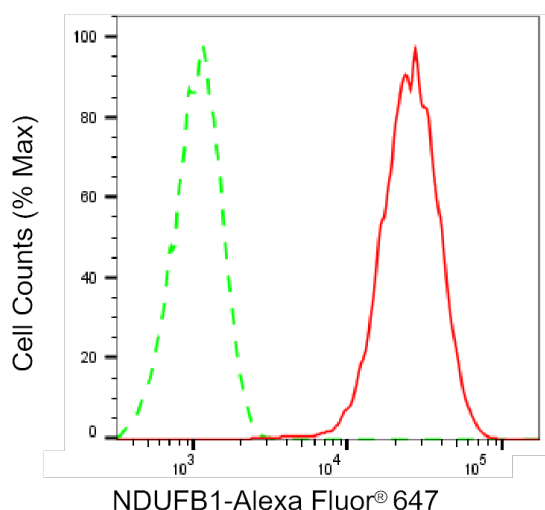
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Western blotting analysis using anti-NDUFB1 antibody (Cat#ABG2110). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NDUFB1 antibody (Cat#ABG2110, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



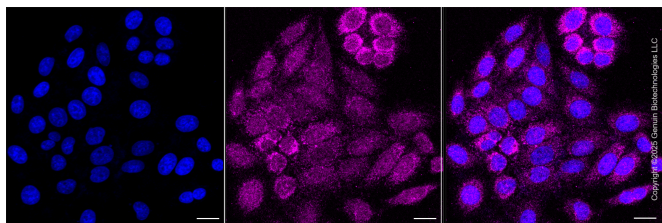
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Western blotting analysis using anti-NDUFB1 antibody (Cat#ABG2110). NDUFB1 expression in wild-type (WT) and NDUFB1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-NDUFB1 antibody (Cat#ABG2110, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of NDUFB1 expression in HepG2 cells using anti-NDUFB1 antibody (Cat#ABG2110, 1:1,000). Green, isotype control; red, NDUFB1.



Immunocytochemical staining of HepG2 cells with anti-NDUFB1 antibody (Cat#ABG2110, 1:1000).

Nuclei were stained blue with DAPI; NDUFB1 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  $\mu$ m.