

Product datasheet

Anti-NDUFB9 antibody [EPR15955-78] - BSA and Azide free ab251300

KO VALIDATED

Recombinant

RabMAb

2 Images

Overview

| | |
|---------------------|---|
| Product name | Anti-NDUFB9 antibody [EPR15955-78] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR15955-78] to NDUFB9 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: HeLa and Jurkat cell lysates. |
| General notes | <p>ab251300 is the carrier-free version of ab200198.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> |

Properties

| | |
|----------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR15955-78 |
| Isotype | IgG |

Applications

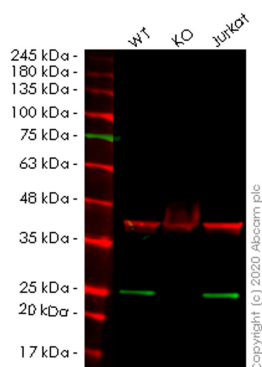
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251300 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|------------------|-----------|---|
| Flow Cyt (Intra) | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa). |
| IP | | Use at an assay dependent concentration. |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| ICC/IF | | Use at an assay dependent concentration. |

Target

| | |
|-----------------------|---|
| Function | Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. |
| Sequence similarities | Belongs to the complex I LYR family. |
| Cellular localization | Mitochondrion inner membrane. |

Images



Western blot - Anti-NDUFB9 antibody [EPR15955-78] - BSA and Azide free (ab251300)

All lanes : Anti-NDUFB9 antibody [EPR15955-78] ([ab200198](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : NDUFB9 knockout HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 22 kDa

Observed band size: 22 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab200198](#)).

Lanes 1-3: Merged signal (red and green). Green - [ab200198](#) observed at 22 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

[ab200198](#) Anti-NDUFB9 antibody [EPR15955-78] was shown to specifically react with NDUFB9 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265946](#) (knockout cell lysate [ab258065](#)) was used. Wild-type and NDUFB9 knockout samples were subjected to SDS-PAGE. [ab200198](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-NDUFB9 antibody [EPR15955-78] - BSA and Azide free (ab251300)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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