


Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free ab250185

Recombinant RabMAb

6 Images

Overview

| | |
|---------------------|---|
| Product name | Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR11893] to NDUFS8 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: Flow Cyt (Intra), IHC-P, WB Unsuitable for: ICC/IF or IP |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat  |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab250185 is the carrier-free version of ab180183.</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 | Affinity purified |
| Clonality | Monoclonal |
| Clone number | EPR11893 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250185 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

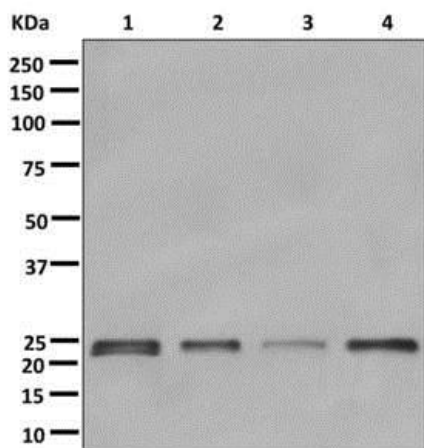
| Application | Abreviews | Notes |
|------------------|-----------|--|
| Flow Cyt (Intra) | | Use at an assay dependent concentration. |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 23 kDa. |

Application notes Is unsuitable for ICC/IF or IP.

Target

| | |
|------------------------|--|
| Function | Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity). May donate electrons to ubiquinone. |
| Involvement in disease | Defects in NDUFS8 are a cause of Leigh syndrome (LS) [MIM:256000]. LS is a severe neurological disorder characterized by bilaterally symmetrical necrotic lesions in subcortical brain regions. |
| Sequence similarities | Belongs to the complex I 23 kDa subunit family. Contains 2 4Fe-4S ferredoxin-type domains. |
| Cellular localization | Mitochondrion. |

Images



Western blot - Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free (ab250185)

All lanes : Anti-NDUFS8 antibody [EPR11893] - C-terminal (**ab180183**) at 1/1000 dilution

Lane 1 : Fetal heart tissue lysate

Lane 2 : HepG2 cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : HeLa cell lysate

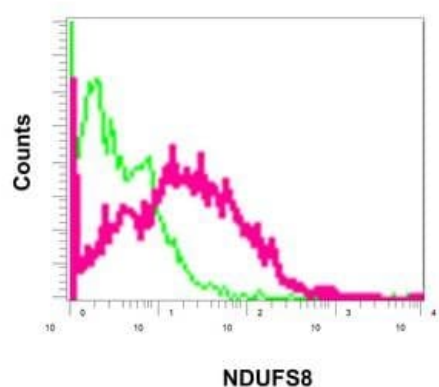
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 23 kDa

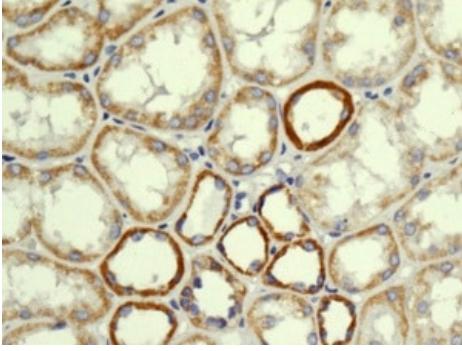
This data was developed using **ab180183**, the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free (ab250185)

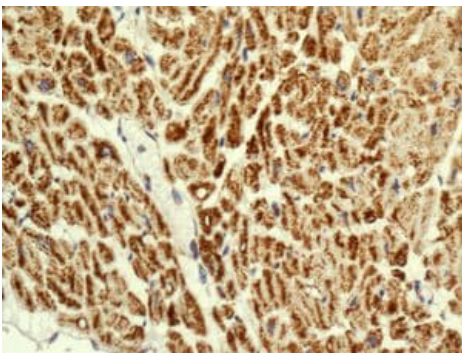
This data was developed using **ab180183**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometrical analysis of permeabilized HeLa cells labeling NDUFS8 with **ab180183** at 1/10 (red) or a rabbit IgG negative (green).



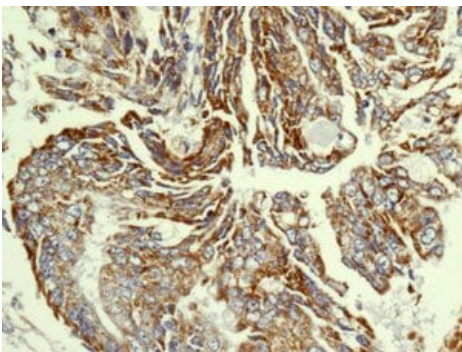
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free (ab250185)

This data was developed using **ab180183**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human kidney tissue labeling NDUFS8 with **ab180183** at 1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free (ab250185)

This data was developed using **ab180183**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human heart tissue labeling NDUFS8 with **ab180183** at 1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDUFS8 antibody [EPR11893] - BSA and Azide free (ab250185)

This data was developed using **ab180183**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human endometrial carcinoma tissue labeling NDUFS8 with **ab180183** at 1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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-NDUFS8 antibody [EPR11893] - BSA and Azide free (ab250185)

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

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