

Product datasheet

Anti-NADH2 antibody [9E12-1B3] - N-terminal ab219821

1 Image

Overview

<b>Product name</b>	Anti-NADH2 antibody [9E12-1B3] - N-terminal
<b>Description</b>	Mouse monoclonal [9E12-1B3] to NADH2 - N-terminal
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Immunogen</b>	Synthetic peptide corresponding to Human NADH2 (N terminal). Database link: <a href="#">P03891</a>
<b>Positive control</b>	WB: Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 0.36% HEPES, 0.87% Sodium chloride
<b>Purification notes</b>	Purified from hybridoma cell culture supernatant by biochemical fractionation from serum-free medium.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	9E12-1B3
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab219821** 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
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Application	Abreviews	Notes
WB		Use a concentration of 2 µg/ml. Detects a band of approximately 32 kDa (predicted molecular weight: 39 kDa). Western blot using whole cell extracts is not recommended.

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## Target

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### Relevance

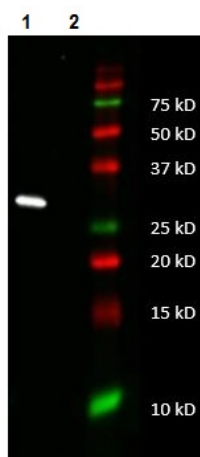
NADH2 is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone

### Cellular localization

Mitochondrion inner membrane; Multi-pass membrane protein.

## Images

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Western blot - Anti-NADH2 antibody [9E12-1B3] - N-terminal (ab219821)

**All lanes :** Anti-NADH2 antibody [9E12-1B3] - N-terminal (ab219821) at 2 µg/ml

**Lane 1 :** Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn)

**Lane 2 :** Mitochondria from HDFn cells depleted of mtDNA by long-term proliferation in the presence of ethidium bromide

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP-labeled Goat-anti-mouse IgG

Developed using the ECL technique.

**Predicted band size:** 39 kDa

**Additional bands at:** 32 kDa. We are unsure as to the identity of these extra bands.

Mitochondrial proteins solubilized in 2% SDS were separated by SDS-PAGE and then transferred to PVDF membranes in CAPS buffer.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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