abcam

Product datasheet

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

1 Image

Overview

Product name	Anti-NADH2 antibody [9E12-1B3] - N-terminal
Description	Mouse monoclonal [9E12-1B3] to NADH2 - N-terminal
Tested applications	**Suitable for:** WB
Immunogen	Synthetic peptide corresponding to Human NADH2 (N terminal). Database link: P03891
Positive control	WB: Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn).

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 0.36% HEPES, 0.87% Sodium chloride
Purification notes	Purified from hybridoma cell culture supernatant by biochemical fractionation from serum-free medium.
Clonality	Monoclonal
Clone number	9E12-1B3
Isotype	IgG2a
Light chain type	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

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.

Target

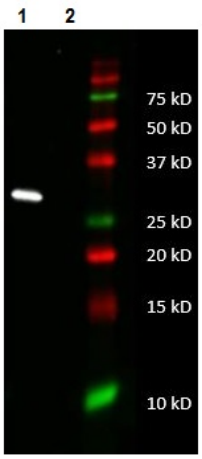
Relevance

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



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
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.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors