abcam

Product datasheet

Anti-NDUFA8 antibody ab177342

1 Image

Overview

Product name	Anti-NDUFA8 antibody
Description	Rabbit polyclonal to NDUFA8
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse **Predicted to work with:** Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Human, Zebrafish
Immunogen	Synthetic peptide within Mouse NDUFA8 aa 41-90 (internal sequence). The exact sequence is proprietary. (NP_080979.1) Sequence: KEFMLCRWEEKDPRRCLKEGKLVNGCALNFFRQIKSHCA EPFTEYWTCLD Database link: **Q9DCJ5** Run BLAST with Run BLAST with
Positive control	Mouse thymus lysate.

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	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab177342 in the following tested applications.

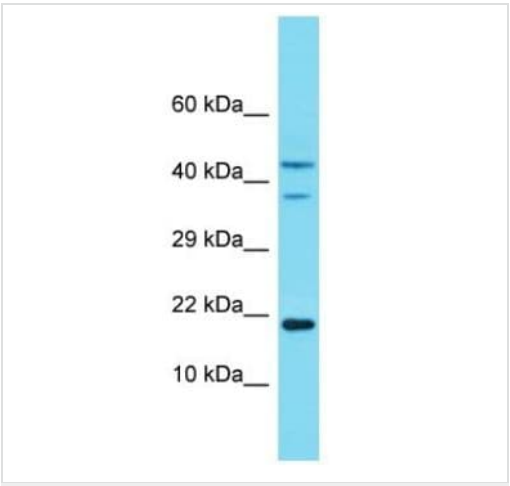
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 20 kDa.

Target

Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be 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 NDUFA8 subunit family. Contains 2 CHCH domains.
Domain	Contains four C-X9-C motifs that are predicted to form a helix-coil-helix structure, permitting the formation of intramolecular disulfide bonds.
Post-translational modifications	May contain intrachain disulfide bonds, as evidenced by its electrophoretic mobility under reducing vs non-reducing conditions.
Cellular localization	Mitochondrion. Mitochondrion intermembrane space.

Images



Western blot - Anti-NDUFA8 antibody (ab177342)

Anti-NDUFA8 antibody (ab177342) at 1 µg/ml + Mouse thymus lysate at 10 µg

Predicted band size: 20 kDa

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

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