abcam

Product datasheet

Anti-NDUFS2 antibody ab104227

1 Image

Overview

Product name	Anti-NDUFS2 antibody
Description	Goat polyclonal to NDUFS2
Host species	Goat
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Human **Predicted to work with:** Cow, Chimpanzee, Gorilla, Orangutan
Immunogen	Synthetic peptide (C-SRGVRQWQPDVE) corresponding to internal sequence amino acids 31-42 of Human NDUFS2 (NP_004541.1; NP_001159631.1). Run BLAST with Run BLAST with
Positive control	Human, Mouse and Rat Heart lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab104227 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab104227 in the following tested applications.

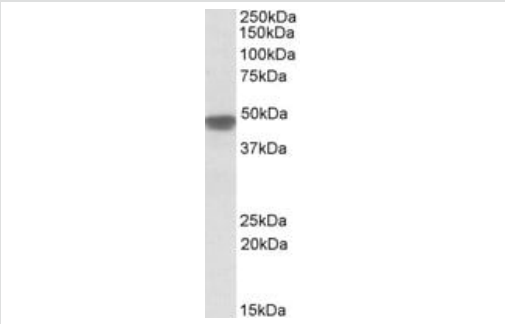
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.3 µg/ml. Predicted molecular weight: 53 kDa. 1 hour primary incubation is recommended for this product.

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.
Involvement in disease	Defects in NDUFS2 are a cause of mitochondrial complex I deficiency (MT-C1D) [MIM:252010]. A disorder of the mitochondrial respiratory chain that causes a wide range of clinical disorders, from lethal neonatal disease to adult-onset neurodegenerative disorders. Phenotypes include macrocephaly with progressive leukodystrophy, non-specific encephalopathy, cardiomyopathy, myopathy, liver disease, Leigh syndrome, Leber hereditary optic neuropathy, and some forms of Parkinson disease.
Sequence similarities	Belongs to the complex I 49 kDa subunit family.
Cellular localization	Mitochondrion inner membrane.

Images



Western blot - Anti-NDUFS2 antibody (ab104227)

Anti-NDUFS2 antibody (ab104227) at 0.1 µg/ml + Human Heart lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 53 kDa
Observed band size: ~48 kDa

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