

Product datasheet

Anti-Ndufs4 antibody ab96549

[2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-Ndufs4 antibody |
| Description | Rabbit polyclonal to Ndufs4 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat, Cow |
| Immunogen | Recombinant fragment, corresponding to a region within amino acids 1-151 of Human Ndufs4 (NP_002486). |
| Positive control | 293T whole cell lysate; OVCA tissue; A431, H1299, HeLaS3, HepG2, MOLT4 and Raji cell lysates. |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0 |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab96549** 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 | | 1/500 - 1/3000. Predicted molecular weight: 20 kDa. |

| Application | Abreviews | Notes |
|-------------|-----------|----------------|
| IHC-P | | 1/100 - 1/250. |

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.

Involvement in disease

Defects in *NDUFS4* 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.

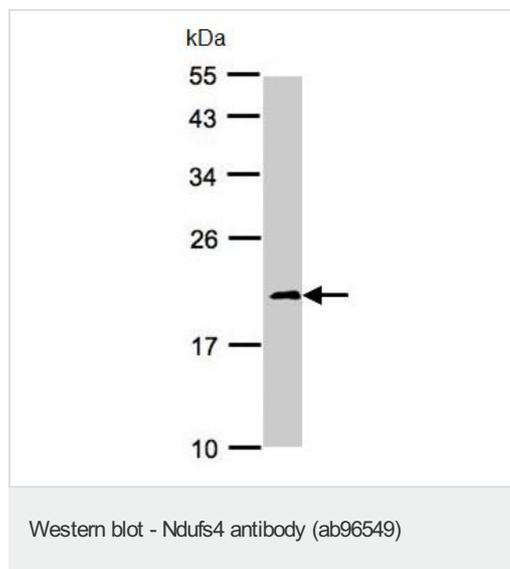
Sequence similarities

Belongs to the complex I *NDUFS4* subunit family.

Cellular localization

Mitochondrion inner membrane.

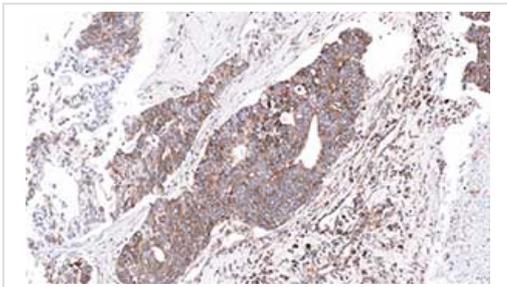
Images



Anti-Ndufs4 antibody (ab96549) at 1/1000 dilution + 293T whole cell lysate at 30 µg

Predicted band size: 20 kDa

12% SDS PAGE



ab96549, at 1/100 dilution, staining Ndufs4 in paraffin-embedded OVCA sections by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Ndufs4 antibody (ab96549)

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