


Product datasheet

Anti-Ndufs4 antibody ab96549

2 Images

Overview

Product name	Anti-Ndufs4 antibody
Description	Rabbit polyclonal to Ndufs4
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.
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.

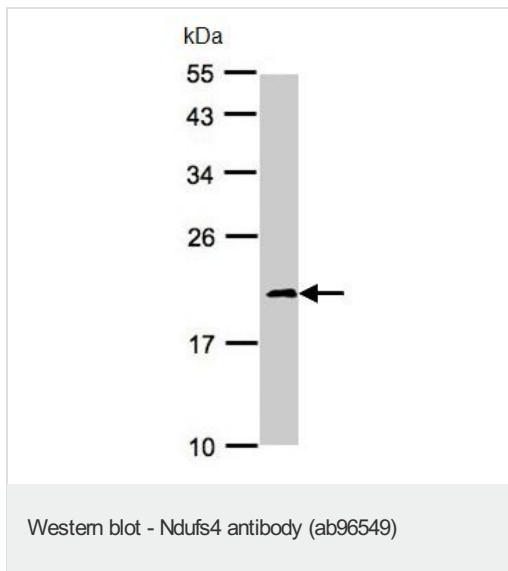
Sequence similarities

Belongs to the complex I *NDUFS4* subunit family.

Cellular localization

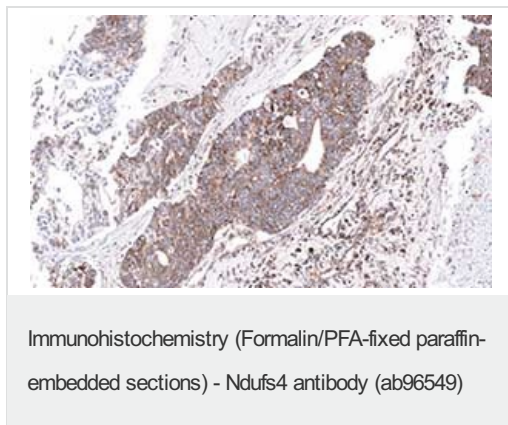
Mitochondrion inner membrane.

Anti-Ndufs4 antibody images



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

Predicted band size : 20 kDa



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

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