


Product datasheet

Anti-Ndufs4 antibody ab96549

2 Images

Overview

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

Properties

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

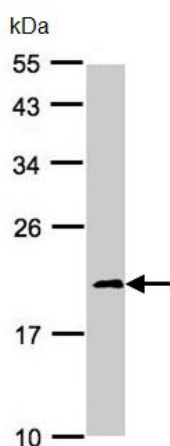
### Sequence similarities

Belongs to the complex I *NDUFS4* subunit family.

### Cellular localization

Mitochondrion inner membrane.

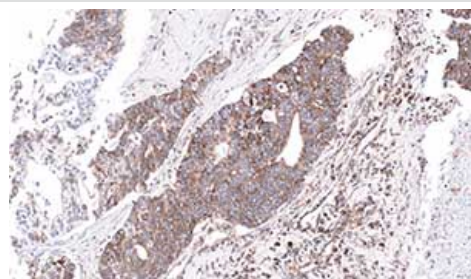
## Images



Anti-Ndufs4 antibody (ab96549) at 1/1000 dilution + 293T whole cell lysate at 30  $\mu$ g

**Predicted band size : 20 kDa**

Western blot - Ndufs4 antibody (ab96549)



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

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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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