

## ND4L polyclonal antibody

Catalog: BS1633

Host: Rabbit

Reactivity: Mouse

### BackGround:

NADH:ubiquinone oxidoreductase (complex I) is an extremely complicated multiprotein complex located in the inner mitochondrial membrane. Human complex I is important for energy metabolism because its main function is to transport electrons from NADH to ubiquinone, which is accompanied by translocation of protons from the mitochondrial matrix to the intermembrane space. Human complex I appears to consist of 41 subunits. A small number of complex I subunits are the products of mitochondrial genes (subunits 1-7), while the remainder are nuclear encoded and imported from the cytoplasm. NADH dehydrogenase subunit 4L (ND4L) is most likely a component of the hydrophobic protein fragment of Complex I. Mutations in the gene encoding for ND4 are implicated in Leber hereditary optic neuropathy, a rare condition that can cause loss of central vision.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 10 kDa

### Swiss-Prot:

P03903

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

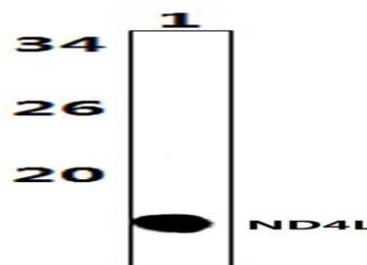
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

ND4L polyclonal antibody detects endogenous levels of ND4L protein.

### DATA:



Western blot (WB) analysis of ND4L polyclonal antibody at 1:1000 dilution

Lane1:NIH/3T3 whole cell lysate(48µg)

### Note:

For research use only, not for use in diagnostic procedure.

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