

ND1 polyclonal antibody

Catalog: BS1385

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 1 (ND1) binds rotenone and rotenone analogs and might be involved in electron transfer to ubiquinone. Mutations in the ND1 gene may be implicated in several disorders, including Leber hereditary optic neuropathy, Alzheimer disease, and Parkinson disease.

Product:

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

Molecular Weight:

~ 36 kDa

Swiss-Prot:

P03888

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

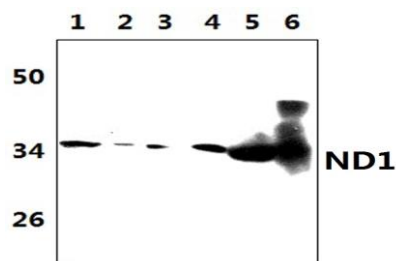
Storage&Stability:

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

Specificity:

ND1 polyclonal antibody detects endogenous levels of ND1 protein.

DATA:



Western blot (WB) analysis of ND1 polyclonal antibody at 1:1000 dilution

Lane1: HEK293T whole cell lysate (57µg)

Lane2: HepG-2 whole cell lysate (50µg)

Lane3: H9C2 whole cell lysate (37µg)

Lane4: NIH/3T3 whole cell lysate (39µg)

Lane5: The muscle tissue lysate of Mouse (33µg)

Lane6: The muscle tissue lysate of Rat (37µg)

Note:

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

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