

## MT-ND2 polyclonal antibody

Catalog: BS60187

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

MT-ND2: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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. Defects in MT-ND2 are a cause of Leber hereditary optic neuropathy (LHON). LHON is a maternally inherited disease resulting in acute or subacute loss of central vision, due to optic nerve dysfunction. Cardiac conduction defects and neurological defects have also been described in some patients. LHON results from primary mitochondrial DNA mutations affecting the respiratory chain complexes. Defects in MT-ND2 may be associated with susceptibility to Alzheimer disease mitochondrial (AD-MT).

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 39 kDa

**Swiss-Prot:**

P03891

**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:**

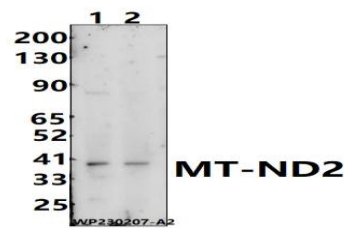
WB: 1:500~1:1000

**Storage&Stability:**

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

**Specificity:**

MT-ND2 polyclonal antibody detects endogenous levels of MT-ND2 protein.

**DATA:**

Western blot (WB) analysis of MT-ND2 polyclonal antibody at 1:1000 dilution

Lane1: The brain tissue lysate of mouse(30ug)

Lane2: The brain tissue lysate of Rat(30ug)

**Note:**

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

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