MT-ND2 polyclonal antibody

Catalog: BCP01144 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

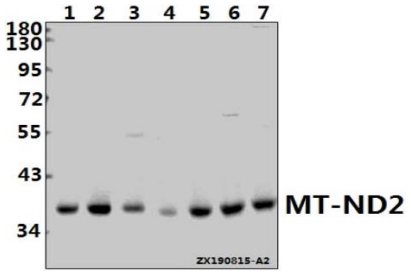
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ 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 pAb at 1:1000 dilution

Lane1:LOVO whole cell lysate(30ug)

Lane2:L02 whole cell lysate(30ug)

Lane3:The Heart tissue lysate of Mouse(40ug)

Lane4:The Kidney tissue lysate of Rat(40ug)

Lane5:H9C2 whole cell lysate(40ug)

Lane6:CT26 whole cell lysate(40ug)

Lane7:SGC7901 whole cell lysate(40ug)

Note:

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

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