

## MT-ND3 polyclonal antibody

Catalog: BCP01145

Host: Rabbit

Reactivity: Human

### 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 trans-location 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 3 (ND3) localizes to the hydrophobic protein fragment of complex I. Mutations in the gene encoding for ND3 may be associated with Parkinson disease.

### Product:

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

### Molecular Weight:

~ 13 kDa

### Swiss-Prot:

P03897

### 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

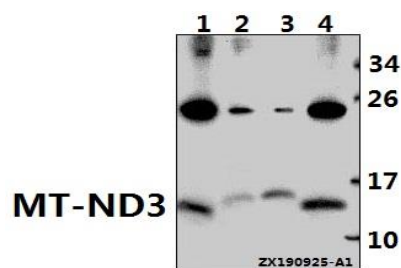
### Storage&Stability:

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

### Specificity:

MT-ND3 polyclonal antibody detects endogenous levels of MT-ND3 protein.

### DATA:



Western blot (WB) analysis of MT-ND3 pAb at 1:500 dilution

Lane1:HepG2 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:SGC7901 whole cell lysate(40ug)

### Note:

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