

## NDUFV3 polyclonal antibody

Catalog: BS61219

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Located in the mitochondrial inner membrane, mitochondrial complex I is the first and largest enzyme in the electron transport chain of oxidative phosphorylation. By oxidizing NADH that is produced in the Krebs cycle, this complex utilizes the two electrons to reduce ubiquinone to ubiquinol, thereby initiating the passage of electrons to successive complexes and ultimately leading to the reduction of oxygen to water. Mitochondrial complex I consists of over 40 subunits and is of considerable clinical interest since defects in any one of the subunits can lead to various myopathies and neuropathies. As a subunit of mitochondrial complex I, NDUFV3 (NADH dehydrogenase [ubiquinone] flavoprotein 3), also designated NADH-ubiquinone oxidoreductase 9 kDa subunit or CI-9kD, is a 108 amino acid protein that is believed to not be involved in catalysis.

### Product:

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

### Molecular Weight:

~ 12 kDa

### Swiss-Prot:

P56181

### 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

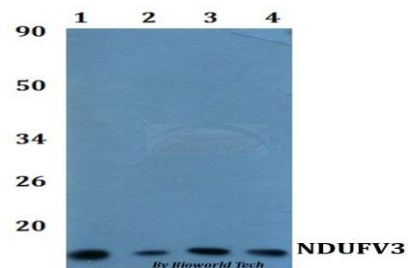
### Storage&Stability:

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

### Specificity:

NDUFV3 polyclonal antibody detects endogenous levels of NDUFV3 protein.

### DATA:



Western blot (WB) analysis of NDUFV3 polyclonal antibody at 1:500

dilution Lane1:HEK293T whole cell lysate

Lane2:RAW264.7 whole cell lysate Lane3:PC12 whole cell lysate

Lane4:HeLa whole cell lysate

### Note:

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

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