

NDUFB7 polyclonal antibody

Catalog: BS60507

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Complex 1 (also known as NADH dehydrogenase) of the electron transport chain (respiratory chain) is an enzymatic complex that catalyzes the transfer of electrons from NADH to ubiquinone. Free energy from the reaction is conserved in the transfer of protons into the intermembrane space to create an electrochemical proton gradient, a driving force for ATP synthesis. Complex 1 is a complicated, multi-protein, L-shaped complex composed of at least 45 different subunits and located in the mitochondrial inner membrane. NDUB7 (NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7), also known as NADH-ubiquinone oxidoreductase B18 subunit, complex I-B18 (CI-B18) or cell adhesion protein SQM1, is a 137 amino acid accessory subunit of complex 1. Ubiquitously expressed, NDUFB7 localizes to the mitochondrial inner membrane on the matrix side. NDUFB7 contains a sevenfold repeat of positively-charged residues that may indicate a role in protein-protein interactions.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 16 kDa

Swiss-Prot:

P17568

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

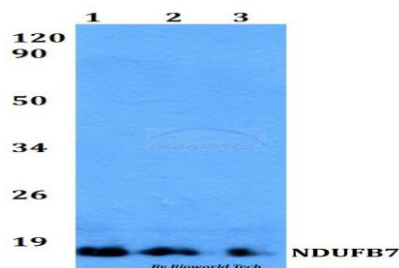
Storage&Stability:

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

Specificity:

NDUFB7 polyclonal antibody detects endogenous levels of NDUFB7 protein.

DATA:



Western blot (WB) analysis of NDUFB7 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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