ATP5J2 polyclonal antibody

Catalog: BS60484 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. ATP5J2, also know as ATP synthase subunit f, mitochondrial, is a 94 amino acid mitochondrion inner membrane that belongs to the ATPase F chain family. Mitochondrial dysfunction is prominent in Alzheimer's disease (AD). A failure of one or more of the mitochondrial electron transport chain enzymes, or of F(1)F(0)-ATPase (ATP synthase), could compromise brain energy stores, generate damaging reactive oxygen species (ROS), and lead to neuronal death. Existing as two alternatively spliced isoforms, the ATP5J2 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken and zebrafish, and maps to human chromosome 7q22.1.

Product:

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

Molecular Weight:

~ 11 kDa

Swiss-Prot:

A6ND55

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

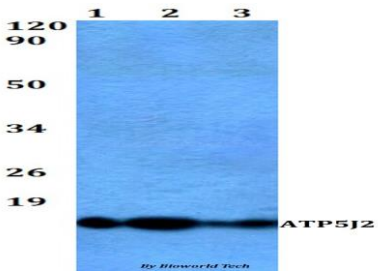
Storage&Stability:

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

Specificity:

ATP5J2 polyclonal antibody detects endogenous levels of ATP5J2 protein.

DATA:



Western blot (WB) analysis of ATP5J2 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

Note:

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

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