ATP6 polyclonal antibody

Catalog: BS1681 Host: Rabbit Reactivity: Mouse,Rat

BackGround:

ATP6, also known as MT-ATP6, ATPASE6 or MTATP6, is a 226 amino acidmulti-passmembrane protein that localizestomitochondria and functions as a component of the F0 proton channel, playing a direct role in the transport of protons acrossthe mitochondrial membrane. Defectsin the gene encoding ATP6 are the cause of infantile bilateralstriatal necrosis, Leigh syndrome (LS),Leber hereditary optic neuropathy(LHON) and neurogenic muscle weakness, ataxia, and retinitis pigmentosa (NARP), all of which are neurological or retinal disorders. The gene encoding ATP6 exists as part of themitochondrial genome.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P00848

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

IHC: 1:50~1:200

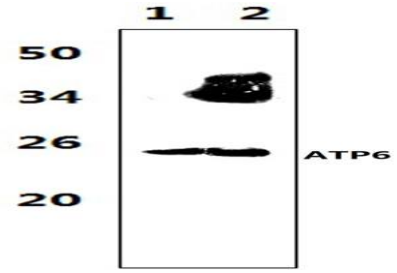
Storage&Stability:

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

Specificity:

ATP6 polyclonal antibody detects endogenous levels of ATP6 protein.

DATA:



Western blot (WB) analysis of ATP6 polyclonal antibody at 1:1000 dilution

Lane1:The muscle tissue lysate of Rat (47μg)

Lane2:The muscle tissue lysate of Mouse(37μg)

Note:

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

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