

ATP5A1 polyclonal antibody

Catalog: BS8506

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mitochondrial ATP synthases (ATPases) transduce the energy contained in membrane electrochemical proton gradients into the energy required for synthesis of high-energy phosphate bonds. ATPases contain two linked complexes, F₁, the hydrophilic catalytic core, and F₀, the membrane-embedded protein channel. F₁ consists of three α chains and three β chains, which are weakly homologous, as well as one γ chain, one δ chain and one ϵ chain. F₀ consists of three subunits, a, b and c. The α chain of F₁ is a regulatory subunit that contains 509 amino acids. Mitochondrial ATPase α chain (ATP5A) localizes to the mitochondria and catalyzes ATP synthesis.

Product:

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

Molecular Weight:

~ 59 kDa

Swiss-Prot:

P25705

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: 1:500~1:2000

IHC: 1:50~1:200

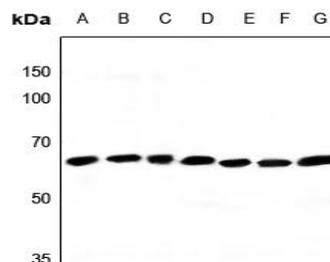
Storage&Stability:

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

Specificity:

ATP5A1 polyclonal antibody detects endogenous levels of ATP5A1 protein.

DATA:



Western blot (WB) analysis of ATP5A1 polyclonal antibody at 1:500 dilution

LaneA:HEK293T whole cell lysate(40ug)

LaneB:Lela whole cell lysate(40ug)

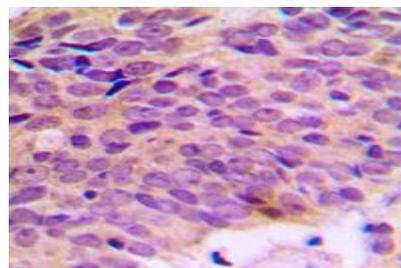
LaneC:H466 whole cell lysate(40ug)

LaneD:The Lung tissue lysate of Mouse(40ug)

LaneE:The Liver tissue lysate of Mouse(40ug)

LaneF:The Lung tissue lysate of Rat(40ug)

LaneG:The Liver tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of ATP5A1 pAb in paraffin-embedded human breast cancer tissue at 1:50.

Note:

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

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