

## ATP5I (K69) polyclonal antibody

Catalog: BCP00256

Host: Rabbit

Reactivity: Human, Mouse

### 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. The two complexes are linked by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled, via a rotary mechanism of the central stalk subunits, with proton translocation across the membrane. ATP5I, also known as mitochondrial ATP synthase subunit E or ATP5K, is a 69 amino acid protein member of the ATPase E subunit family. Localized to the inner membrane of the mitochondria, ATP5I is a part of the F0 complex.

### Product:

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

### Molecular Weight:

~ 8 kDa

### Swiss-Prot:

P56385

### 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

IP 1:50 - 1:100

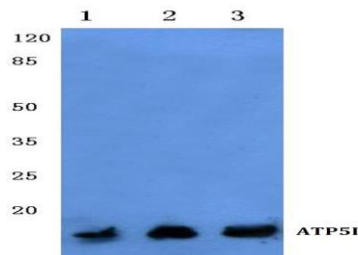
### Storage&Stability:

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

### Specificity:

ATP5I (K69) polyclonal antibody detects endogenous levels of ATP5I protein.

### DATA:



Western blot (WB) analysis of ATP5I (K69) pAb at 1:500 dilution

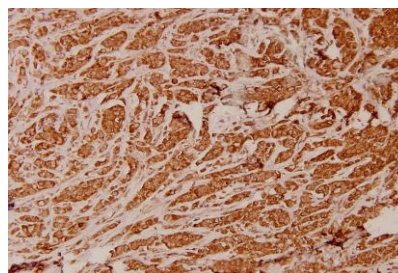
Lane1: AML-12 whole cell lysate(40ug)

Lane2: C6 whole cell lysate(40ug)

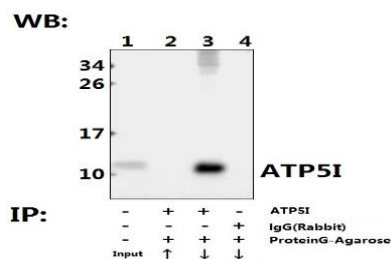
Lane3: HepG2 whole cell lysate(40ug)

Lane4: PC3 whole cell lysate(40ug)

Lane5: HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ATP5I (K69) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of HEK293T cell lysate using ATP5I (K69) pAb (Sepharose Bead Conjugate) #BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using ATP5I (K69). “↑” (supernatant); “↓” (deposition)

### Note:

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