

## ATP5H (D146) polyclonal antibody

Catalog: BS3812

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

ATP5H (ATP synthase, H<sup>+</sup> transporting, mitochondrial Fo complex, subunit  $\delta$ ), also known as ATPQ, is a 161 amino acid protein that belongs to the ATPase  $\delta$  subunit family. F-type ATPases, such as ATP5H, consist of two linked components: CF1, a soluble catalytic core that consists of five different subunits ( $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$  and  $\epsilon$ ), and CF0, a membrane proton channel that contains nine subunits ( $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ ,  $\epsilon$ ,  $\phi$ ,  $\gamma$ , F6 and 8). ATP5H encodes the  $\delta$  subunit of the F0 complex. ATP5H produces ATP from ADP in the presence of a proton gradient across the membrane, which is generated by electron transport complexes of the respiratory chain. Localizing to mitochondrial inner membrane,

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 18 kDa

### Swiss-Prot:

O75947

### 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

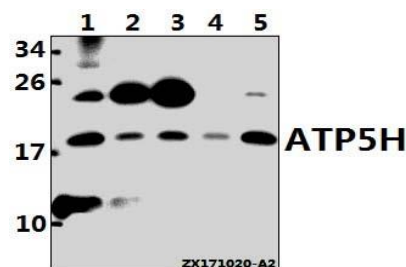
### Storage&Stability:

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

### Specificity:

ATP5H (D146) polyclonal antibody detects endogenous levels of ATP5H protein.

### DATA:



Western blot (WB) analysis of ATP5H (D146) pAb at 1:500 dilution

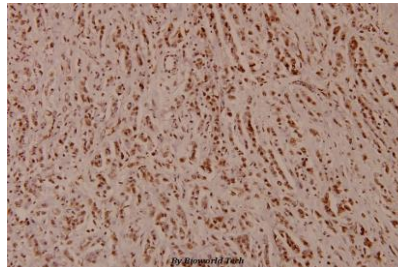
Lane1:Hela whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:H1792 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)

Lane5:AML-12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ATP5H (D146) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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