

ATP6V1H polyclonal antibody

Catalog: BS62511

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Vacuolar-type H+-ATPase (V-ATPase) is a multisubunit enzyme responsible for acidification of eukaryotic intracellular organelles. V-ATPases pump protons against an electrochemical gradient, while F-ATPases reverse the process, thereby synthesizing ATP. A peripheral V1 domain, which is responsible for ATP hydrolysis and an integral V0 domain, which is responsible for proton translocation, compose V-ATPase. Nine subunits (A-H) make up the V1 domain and five subunits (a, d, c, c' and c") make up the V0 domain. Like F-ATPase, V-ATPase most likely operates through a rotary mechanism. The H subunit of V-ATPase, also designated SDF is comprised of two polypeptides derived from the same gene. This regulatory subunit plays a critical role in the functional coupling of ATP hydrolysis activity to proton transport in the V-ATPase pump.

Product:

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

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q9UI12

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 $4 \,^{\circ}{\rm C}$ short term. Aliquot and store at $-20 \,^{\circ}{\rm C}$ long term. Avoid freeze-thaw cycles.

Specificity:

ATP6V1H polyclonal antibody detects endogenous levels of ATP6V1H protein.

DATA:



Western blot (WB) analysis of ATP6V1H polyclonal antibody at 1:500 dilution

LaneA:H9C2 whole cell lysate

LaneB:MEF whole cell lysate

LaneC:A549 whole cell lysate

LaneD:HepG2 whole cell lysate

Note:

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

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