

ATP6V0D1 polyclonal antibody

Catalog: BS67670

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Subunit of the V0 complex of vacuolar(H⁺)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons. V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment. May play a role in coupling of proton transport and ATP hydrolysis. In aerobic conditions, involved in intracellular iron homeostasis, thus triggering the activity of Fe²⁺-prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation. May play a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 34 kDa

Swiss-Prot:

P61421

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

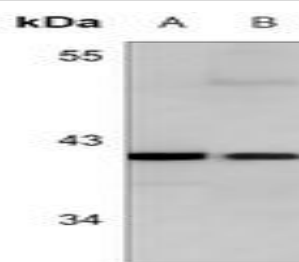
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of ATP6V0D1 protein.

DATA:



Western blot analysis of ATP6V0D1 expression in mouse kidney (A), rat kidney (B) whole cell lysates.

Note:

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

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