

ATP6V1C1 Recombinant antibody

Cat: B36463S

Company: HaoKebio

Uniprot ID: P21283

Applications: IHC:1:250-1:1000

Organism: Rabbit

IHC-Polymer:1:1000-1:4000

Species reactivity: Human Mouse Rat

IHC-TSA:1:1200-1:5000

Molecular Weight Calculation: 382 aa, 44 kDa

IF:1:50

Observed Molecular Weight: 42-44 kDa

WB:1:2000-1:10000

Background:

The vacuolar H⁺-ATPase (V-ATPase) is a functionally conserved multimeric complex localized at the membranes of many organelles where its proton-pumping action is required for proper lumen acidification. ATP6V1C1, also known as ATPase, H⁺ transporting, lysosomal V1 subunit C1, is a component of the V1 sector of the V-ATPase complex. ATP6v1c1 knockdown significantly reduces tumor stimulated bone resorption through osteoclastogenesis at the bone and metastasis in vivo, as well as V-ATPase activity, proliferation, and mTORC1 activation in vitro. Also, ATP6V1C1, associated with the tumor microenvironment and mTORC1 signaling pathway, is a potential diagnostic, prognostic, and therapeutic biomarker for hepatocellular carcinoma ().

Synonyms:

ATP6C, ATP6D, VATC, V-ATPase subunit C1, Vma5

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

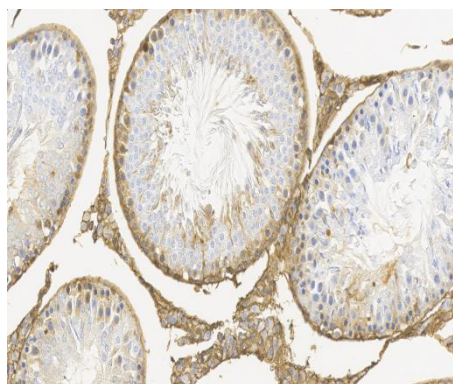
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse testis, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:ATP6V1C1(B36463S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:ATP6V1C1(B36463S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.