

# ATP6V0A4 Recombinant antibody

**Cat:**B36462S**Company:** HaoKebio**Uniprot ID:**Q9HBG4**Applications:** IHC:1:5000-1:20000**Organism:**Rabbit

IHC-Polymer:1:20000-1:80000

**Species reactivity:**Human Mouse Rat

IHC-TSA:1:25000-1:100000

**Molecular Weight Calculation:** 840 aa, 96 kDa

IF:1:250-1:1000

**Observed Molecular Weight:** 85 kDa

WB:1:5000-1:50000

**Background:**

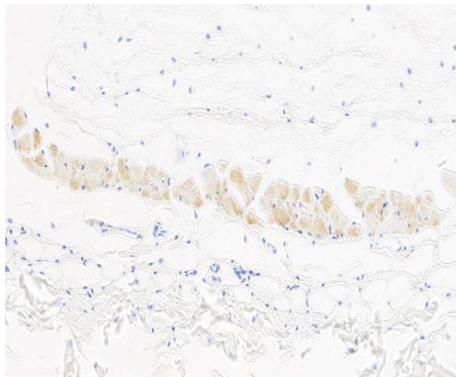
The ATP6V0A4 is a component of vacuolar-H<sup>+</sup> ATPase (V-ATPase) which is a multi-subunit enzyme that couples ATP hydrolysis to proton pumping across membranes. The V-ATPases are comprised of two major parts, the cytosolic V1 domain involved in ATP-binding and subsequent hydrolysis, and the membrane-associated V0 domain responsible for proton translocation. The V0 domain is composed of five subunits: a, c, c', c'' and d. The 'a' subunit of V0 domain has four isoforms : a1-a4. It has been found that mutations in ATP6V0A4(a4) are associated with distal renal tubular acidosis(dRTA) combined in some cases with progressive hearing loss leading to sensorineural deafness.

**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 skin, 4% PFA 12-24h

**Source of Reagents:**

发表[中文论文]请标注:ATP6V0A4(B36462S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:ATP6V0A4(B36462S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

**Synonyms:**

A4, ATP6N1B, ATP6N2, RDRTA2, RTA1C

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Membrane,Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

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