

## 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.

### 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.

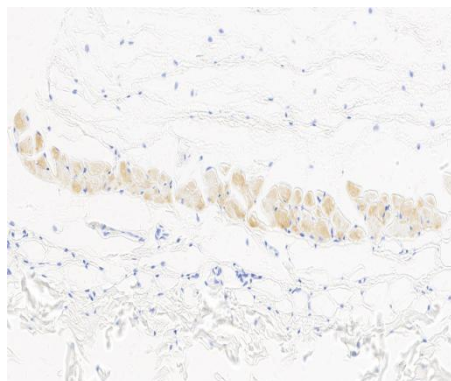
### Storage:

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:

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