

## ATP6V0A4 Rabbit pAb

CatalogNo: YN8505

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB

#### MW

- 92kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

WB 1:500-2000

### | Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** Synthesized peptide derived from human ATP6V0A4

**Specificity** This antibody detects endogenous levels of ATP6V0A4 at Human, Mouse

### | Target Information

**Gene name** ATP6V0A4 ATP6N1B ATP6N2

**Protein Name** V-type proton ATPase 116 kDa subunit a isoform 4 (V-ATPase 116 kDa isoform a4) (Vacuolar proton translocating ATPase 116 kDa subunit a isoform 4) (Vacuolar proton translocating ATPase 116 kDa subunit a kidney isoform)

Organism	Gene ID	UniProt ID
Human	<a href="#">50617</a> ;	<a href="#">Q9HBG4</a> ;
Mouse	<a href="#">140494</a> ;	<a href="#">Q920R6</a> ;

**Cellular Localization** Apical cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Localizes to the apical surface of alpha-intercalated cells in the cortical collecting ducts of the distal nephron (PubMed:10973252). Localizes to the basolateral surface of beta-intercalated cells in the cortical collecting ducts of the distal nephron (By similarity). .

**Tissue specificity** Expressed in adult and fetal kidney. Found in the inner ear.

**Function** Subunit of the V0 complex of vacuolar(H<sup>+</sup>)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (By similarity). 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 (By similarity). Involved in normal vectorial acid transport into the urine by the kidney .

## Validation Data

## Contact information

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**ATP6V0A4 Rabbit pAb**

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