

ATP6V0A1 Rabbit pAb

CatalogNo: YN6062

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

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 ATP6V0A1

Specificity This antibody detects endogenous levels of ATP6V0A1 at Human, Mouse, Rat

Target Information

Gene name ATP6V0A1 ATP6N1 ATP6N1A VPP1

Protein Name V-type proton ATPase 116 kDa subunit a isoform 1 (V-ATPase 116 kDa isoform a1) (Clathrin-coated vesicle/synaptic vesicle proton pump 116 kDa subunit) (Vacuolar adenosine triphosphatase subunit Ac116) (Vacuolar proton pump subunit 1) (Vacuolar proton translocating ATPase 116 kDa subunit a isoform 1)

Organism	Gene ID	UniProt ID
Human	535;	Q93050;
Mouse	11975;	Q9Z1G4;
Rat	29757;	P25286;

Cellular Localization Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Multi-pass membrane protein . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. .

Function 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 (By similarity). Required for assembly and activity of the vacuolar ATPase (By similarity).

Validation Data

Contact information

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ATP6V0A1 Rabbit pAb

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