

#### OriGene Technologies, Inc.

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# **Product datasheet for TA359368**

## **ATP6V0A4 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human ATP6V0A4
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	82kDa
Gene Name:	ATPase H+ transporting V0 subunit a4
Database Link:	<u>Entrez Gene 50617 Human</u> <u>Q9HBG4</u>



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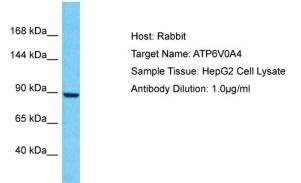
#### **GRIGENE** ATP6V0A4 Rabbit Polyclonal Antibody – TA359368

Background:This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that<br/>mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent<br/>acidification is necessary for such intracellular processes as protein sorting, zymogen<br/>activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation.<br/>V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1<br/>domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H<br/>subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five<br/>different subunits: a, c, c', c'', and d. This gene is one of four genes in man and mouse that<br/>encode different isoforms of the a subunit. Alternatively spliced transcript variants encoding<br/>the same protein have been described. Mutations in this gene are associated with renal<br/>tubular acidosis associated with preserved hearing.

Synonyms:

A4; ATP6N1B; ATP6N2; MGC130016; MGC130017; RDRTA2; RTA1C; RTADR; STV1; VPH1; VPP2

### **Product images:**



Host: Rabbit Target Name: ATP6V0A4 Sample Type: HepG2 Whole Cell lysates Antibody Dilution: 1.0ug/ml

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