

**ATP4A rabbit pAb****Cat#: orb772913 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	ATP4A rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse
<b>Recommended dilutions</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 800-880
<b>Specificity</b>	ATP4A Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Potassium-transporting ATPase alpha chain 1 (EC 3.6.3.10) (Gastric H(+)/K(+) ATPase subunit alpha) (Proton pump)
<b>Gene Name</b>	ATP4A
<b>Cellular localization</b>	Apical cell membrane ; Multi-pass membrane protein . Localized in the apical canalicular membrane of parietal cells (PubMed:24188822). Localized in the apical canalicular membrane of parietal cells (PubMed:24188822). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Clonality** Polyclonal

**Concentration** 1 mg/ml

**Observed band** 113kD

**Human Gene ID** 495

**Human Swiss-Prot Number** P20648

**Alternative Names**

### Background

The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H<sup>+</sup>, K<sup>+</sup>-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H<sup>(+)</sup> and K<sup>(+)</sup> ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes a catalytic alpha subunit of the gastric H<sup>+</sup>, K<sup>+</sup>-ATPase. [provided by RefSeq, Jul 2008],