

**ATP1B2 Antibody(C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19733b**

**Specification**

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**ATP1B2 Antibody(C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P14415</a>
Other Accession	<a href="#">P13638</a> , <a href="#">Q8WMG3</a> , <a href="#">P14231</a> , <a href="#">Q28030</a> , <a href="#">NP_001669.3</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33367
Antigen Region	247-276

**ATP1B2 Antibody(C-term) - Additional Information**

**Gene ID** 482

**Other Names**

Sodium/potassium-transporting ATPase subunit beta-2, Adhesion molecule in glia, AMOG,  
Sodium/potassium-dependent ATPase subunit beta-2, ATP1B2

**Target/Specificity**

This ATP1B2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 247-276 amino acids from the C-terminal region of human ATP1B2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ATP1B2 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ATP1B2 Antibody(C-term) - Protein Information**

**Name** ATP1B2

**Function** This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-2 subunit is not known.

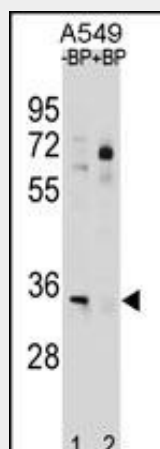
**Cellular Location**

Cell membrane; Single-pass type II membrane protein

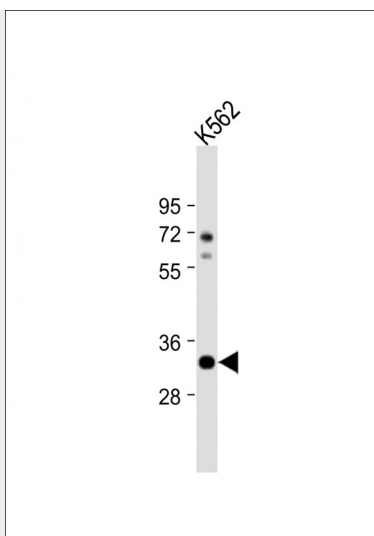
**ATP1B2 Antibody(C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ATP1B2 Antibody(C-term) - Images**

ATP1B2 Antibody (C-term) (Cat. #AP19733b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the ATP1B2 antibody detected the ATP1B2 protein (arrow).



Anti-ATP1B2 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **ATP1B2 Antibody(C-term) - Background**

The protein encoded by this gene belongs to the family of Na<sup>+</sup>/K<sup>+</sup> and H<sup>+</sup>/K<sup>+</sup> ATPases beta chain proteins, and to the subfamily of Na<sup>+</sup>/K<sup>+</sup> -ATPases. Na<sup>+</sup>/K<sup>+</sup> -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na<sup>+</sup>/K<sup>+</sup> -ATPase is encoded by multiple genes. This gene encodes a beta 2 subunit.

#### **ATP1B2 Antibody(C-term) - References**

Floyd, R.V., et al. Reprod Sci 17(4):366-376(2010)  
Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)  
Boer, K., et al. Brain Pathol. 20(1):234-244(2010)  
Tokhtaeva, E., et al. Biochemistry 48(48):11421-11431(2009)  
Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)