

# ATP12A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP8687c

## Product Information

---

<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">P54707</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB22581
<b>Antigen Region</b>	833-859

## Additional Information

---

<b>Other Names</b>	Potassium-transporting ATPase alpha chain 2, Non-gastric H(+)/K(+) ATPase subunit alpha, Proton pump, ATP12A, ATP1AL1
<b>Target/Specificity</b>	This ATP12A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 833-859 amino acids from the Central region of human ATP12A.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ATP12A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

### Background

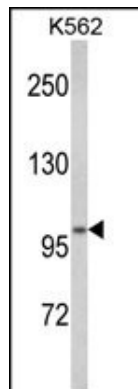
---

ATP12A belongs to the family of P-type cation transport ATPases. This protein is a catalytic subunit of the ouabain-sensitive H<sup>+</sup>/K<sup>+</sup> -ATPase 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 potassium absorption in various tissues.

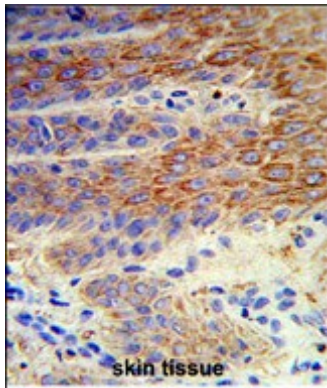
## References

Li,J., et.al., Kidney Int. 65 (4), 1301-1310 (2004)

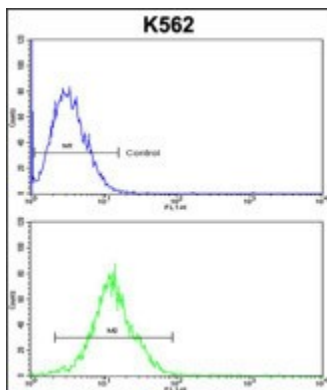
## Images



Western blot analysis of ATP12A Antibody (Center) (Cat. #AP8687c) in K562 cell line lysates (35ug/lane). ATP12A (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skin reacted with ATP12A Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



ATP12A Antibody (Center)(Cat. #AP8687c) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.