Product Name: ATP1AL1 Rabbit Polyclonal Antibody
Catalog #: APRab07319

Summary

Production Name	ATP1AL1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ATP12A
Alternative Names	ATP12A; ATP1AL1; Potassium-transporting ATPase alpha chain 2; Non-gastric H(+)/K(+) ATPase subunit alpha; Proton pump
Gene ID	479.0
SwissProt ID	P54707.Synthesized peptide derived from ATP1AL1 . at AA range: 380-460

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:20000.
Molecular Weight	115kD

Background

The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This gene encodes a catalytic

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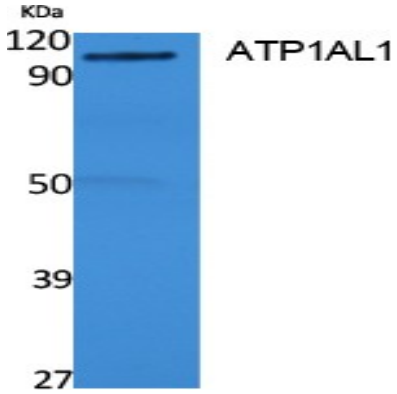
subunit of the ouabain-sensitive H+/K+ -ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for potassium absorption in various tissues. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010],catalytic activity:ATP + H(2)O + H(+)(In) + K(+)(Out) = ADP + phosphate + H(+)(Out) + K(+)(In).,function:Catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. Responsible for potassium absorption in various tissues.,similarity:Belongs to the cation transport ATPase (P-type) family. Type IIC subfamily.,subunit:Composed of two subunits: alpha (catalytic) and beta.,tissue specificity:Found in skin and kidney.,

Research Area

Oxidative phosphorylation;

Image Data



Western Blot analysis of extracts from rat stomach, using ATP1AL1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

Note

For research use only.