



ATP1AL1 Polyclonal Antibody

Catalog No	YP-Ab-00761
Isotype	IgG
Reactivity	Human;Rat
Applications	WB;ELISA
Gene Name	ATP12A
Immunogen	Synthesized peptide derived from ATP1AL1 . at AA range: 380-460
Specificity	ATP1AL1 Polyclonal Antibody detects endogenous levels of ATP1AL1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP12A;ATP1AL1;Proton pump;Potassium-transporting ATPase alpha chain 2; Non-gastric H(+)/K(+) ATPase subunit alpha
Observed Band	115kD
Calculated Molecular Weight	115kD
Cell Pathway	Apical cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in airway epithelial cells (at protein level) (PubMed:29391451). Found in skin and kidney. Detected in prostate basal cells (at protein level). Expression is increased in benign prostate hyperplasia and tumor tissues (at protein level).
Function	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.,



Background

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

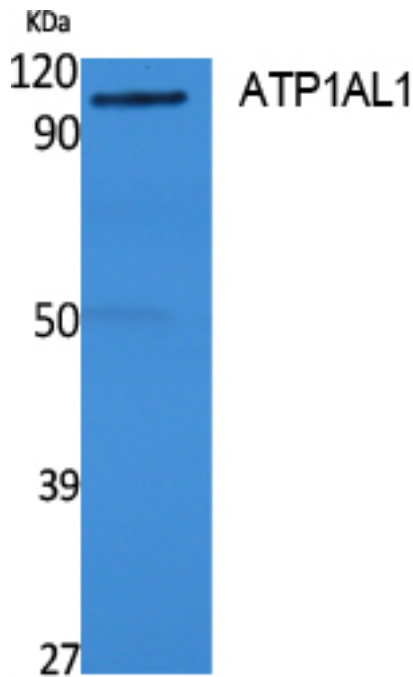
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of extracts from rat stomach, using ATP1AL1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000