

Product name:	ATP1AL1 Rabbit Polyclonal Antibody
Cat number:	ABN07319
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from ATP1AL1 . at AA range: 380-460
Reactivity:	Human,Rat
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	115kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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],catalytic activity:ATP + H₂O + 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.,