

ATP1AL1 Polyclonal Antibody

YT5099 Catalog No:

Reactivity: Human;Rat

Applications: WB;ELISA

Target: ATP1AL1

Fields: >>Oxidative phosphorylation;>>Metabolic pathways

Gene Name: ATP12A

Protein Name: Potassium-transporting ATPase alpha chain 2

P54707

Q9Z1W8

Human Gene Id: 479

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Rat Swiss Prot No:

P54708

Synthesized peptide derived from ATP1AL1 . at AA range: 380-460 Immunogen:

ATP1AL1 Polyclonal Antibody detects endogenous levels of ATP1AL1 protein. **Specificity:**

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 115kD

Cell Pathway: Oxidative phosphorylation;

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],

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.,

Subcellular Location:

Apical cell membrane; Multi-pass membrane protein.

Expression: 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).

Sort : 2423

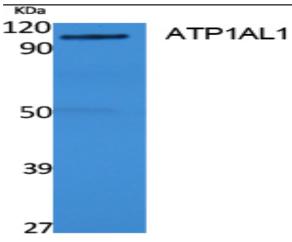
No4: 1

Host: Rabbit

Modifications: Unmodified

Products Images

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