

Anti-Human/Rat ATP12A Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA06257

3th Edition

Description: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. ATP12A (ATPase H⁺/K⁺ Transporting Non-Gastric Alpha2 Subunit) is a Protein Coding gene. Diseases associated with ATP12A include Bladder Calculus and Gastroduodenal Crohn's Disease. Among its related pathways are Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds and Ion channel transport. GO annotations related to this gene include nucleotide binding and hydrogen:potassium-exchanging ATPase activity. An important paralog of this gene is ATP1A1.

Antigen:Synthesized peptide derived from the Internal region of human ATP1AL1

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: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).