Product Name: Sodium Potassium ATPase Rabbit Monoclonal Antibody
Catalog #: AMRe21036

Summary

Production Name	Sodium Potassium ATPase Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,IHC,IF,IP,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	Protein A

Immunogen

Gene Name	ATP1A1
Alternative Names	Sodium/potassium-transporting ATPase subunit alpha-1;Na;+;/K;+;ATPase alpha-1 subunit;Sodium pump subunit alpha-1;
Gene ID	0.0
SwissProt ID	P05023;P50993;P13637;Q13733.

Application

Dilution Ratio	IHC 1:2000-1:10000;WB 1:20000-1:50000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
Molecular Weight	Calculated MW:113kD;Observed MW:100kD

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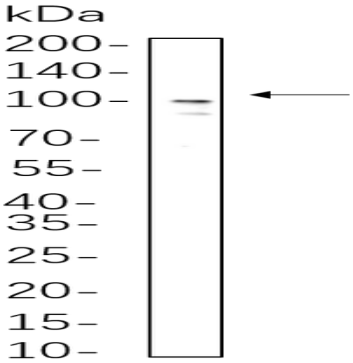
Background

Cell localization:Membranous.ATPase Na+/K+ transporting subunit alpha 1(ATP1A1) Homo sapiens The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes an alpha 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009],

Research Area

Image Data



A549 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with primary antibody(1:1000). The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Note

For research use only.