

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

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG,Kappa
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.2mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
<b>Purification</b>	Protein A

**Application**

<b>Dilution Ratio</b>	WB 1:2000-1:10000,IHC 1:2000-1:10000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
<b>Molecular Weight</b>	Calculated MW:113kD;Observed MW:100kD

**Antigen Information**

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

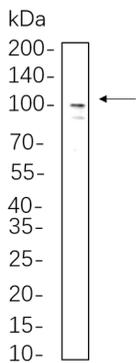
**Background**

Cell localization:Membranous.ATPase Na<sup>+</sup>/K<sup>+</sup> 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<sup>+</sup>/K<sup>+</sup> -ATPases. Na<sup>+</sup>/K<sup>+</sup> -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<sup>+</sup>/K<sup>+</sup> -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 Sodium Potassium ATPase Rabbit Monoclonal Antibody(1:1000). The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.