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**Product Name: Sodium Potassium ATPase (14S2) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe18101**

For research use only.

## Summary

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/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>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Application

<b>Dilution Ratio</b>	WB 1:2000-1:10000,IHC 1:50-1:200,ICC/IF 1:200-1:500,FC 1:20-1:50
<b>Molecular Weight</b>	113kDa

## Antigen Information

<b>Gene Name</b>	ATP1A1
<b>Alternative Names</b>	A1A1; AT1A1; ATP1A1; Na <sup>+</sup> /K <sup>+</sup> transporting; alpha 1 polypeptide; Na <sup>+</sup> /K <sup>+</sup> ATPase 1; Na,K-ATPase 1; Sodium pump 1;
<b>Gene ID</b>	476.0
<b>SwissProt ID</b>	P05023
<b>Immunogen</b>	A synthetic peptide of human Sodium Potassium ATPase

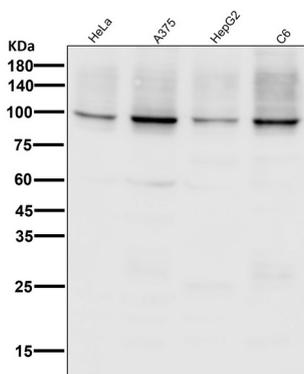
## Background

This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients. This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.

## Research Area

Cardiac muscle contraction;Aldosterone-regulated sodium reabsorption;

## Image Data



All lanes use Sodium Potassium ATPase Antibody at 1:50000 dilution for 1 hour at room temperature.