

ATP1A1 Antibody

Cat. No.:	HY-P80537
Synonyms:	alpha 1 Sodium Potassium ATPase Antibody is a non-conjugated and Rabbit originated polyclonal antibody about 113 kDa, targeting to alpha 1 Sodium Potassium ATPase. It can be used for WB,IHC-P,ICC/IF,FC assays with tag free, in the background of Human, Mouse, Rat.
Host:	Rabbit
Reactivity:	Human,Mouse,Rat
Conjugation:	Non-conjugated
SwissProt ID:	P05023
Research Field:	Tags & Cell Markers
Molecular Weight:	Predicted band size: 113 kDa

PROPERTIES

Formulation	Supplied in phosphate buffered saline (pH 7.4), 150 mM NaCl and 50% glycerol. Preservative: 0.02% sodium azide	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IHC	1:50-1:100
	IF	1:50-1:200
	FC	1:50-1:100
Shipping	Shipping with blue ice.	

DESCRIPTION

Background	<p>alpha 1 Sodium Potassium ATPase: 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]</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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