beta 1 Sodium Potassium ATPase Polyclonal Antibody

Cat No: HR1AP9284

For research use only

Overview

Product Name	beta 1 Sodium Potassium ATPase Polyclonal Antibody
Source	Rabbit
Applications	WB
Species Reactivity	Mouse,Rat,(H)
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	
Observed band	45-50kDa
GeneID?Human?	ATP1B1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase subunit beta-1)
Background	ATPase Na+/K+ transporting subunit beta 1(ATP1B1) Homo sapiens The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, 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 beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 1 subunit. Alternatively spliced transcript