



Na⁺/K⁺-ATPase Mouse mAb

Catalog No	YP-mAb-18768
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human Na ⁺ /K ⁺ -ATPase
Specificity	
Formulation	
Source	
Purification	Affinity purification
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP1A1;ATPase Na ⁺ /K ⁺ transporting subunit alpha 1;Na /K -ATPase;CMT2DD; HOMGSMR2;Na ⁺ /K ⁺ -ATPase
Observed Band	100kDa
Calculated Molecular Weight	74kDa/109kDa/112kDa/113kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	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 sodiumcoupled 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.

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

