

Datasheet for ABIN7265771
anti-ATP1A4 antibody (AA 1-90)



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1 Image

Overview

Quantity:	100 µL
Target:	ATP1A4
Binding Specificity:	AA 1-90
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP1A4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ATP1A4 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-90 of human ATP1A4 (NP_653300.2).
Sequence:	MGLWGKKGTV APHDQSPRRR PPKGLIKKKM VKREKQKRNM EELKKEVMD DHKLTLEELS TKYSVDLTKG HSHQRAKEIL TRGGPNTVTP
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

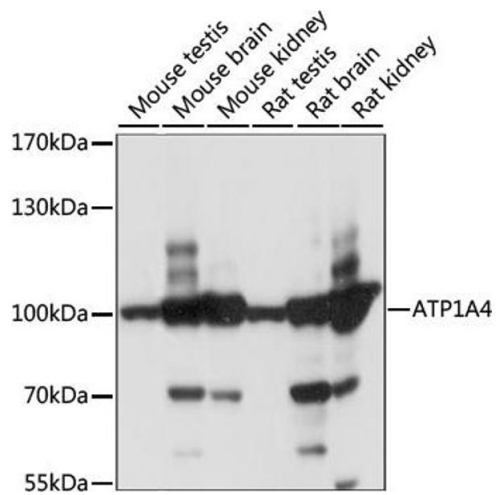
Target:	ATP1A4
Alternative Name:	ATP1A4 (ATP1A4 Products)
Background:	<p>The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na⁺/K⁺ -ATPases. Na⁺/K⁺ -ATPase is an integral membrane protein responsible for establishing and maintaining the 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 4 subunit. Alternatively spliced transcript variants encoding different isoforms have been identified.,ATP1A4,ATP1A1,ATP1AL2,ATP1A4</p>
Molecular Weight:	19kDa/114kDa
Gene ID:	480
UniProt:	Q13733
Pathways:	Thyroid Hormone Synthesis , Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB,1:200 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using antibody (ABIN7265771) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1S.