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Image



Overview

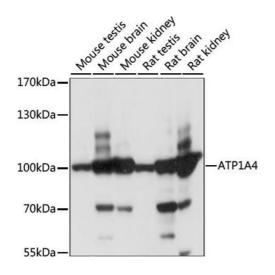
Quantity:	100 μL
Target:	ATP1A4
Binding Specificity:	AA 1-90
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP1A4 antibody is un-conjugated
Application:	Western Blotting (WB)

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 PKKGLIKKKM VKREKQKRNM EELKKEVVMD 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:	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
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.