antibodies -online.com







Image



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Overview

Quantity:	100 μL
Target:	ATP2B2
Binding Specificity:	AA 1-80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP2B2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

lmmunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-80 of human ATP2B2 (NP_001674.2).
Sequence:	MGDMTNSDFY SKNQRNESSH GGEFGCTMEE LRSLMELRGT EAVVKIKETY GDTEAICRRL KTSPVEGLPG TAPDLEKRKQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

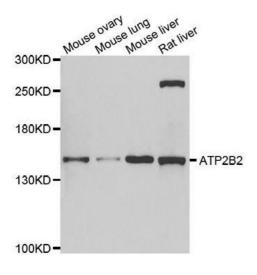
Target:	ATP2B2
Alternative Name:	ATP2B2 (ATP2B2 Products)
Background:	The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases
	characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle.
	These enzymes remove bivalent calcium ions from eukaryotic cells against very large
	concentration gradients and play a critical role in intracellular calcium homeostasis. The
	mammalian plasma membrane calcium ATPase isoforms are encoded by at least four
	separate genes and the diversity of these enzymes is further increased by alternative splicing of
	transcripts. The expression of different isoforms and splice variants is regulated in a
	developmental, tissue- and cell type-specific manner, suggesting that these pumps are
	functionally adapted to the physiological needs of particular cells and tissues. This gene
	encodes the plasma membrane calcium ATPase isoform 2. Alternatively spliced transcript
	variants encoding different isoforms have been
	identified.,ATP2B2,PMCA2,PMCA2a,PMCA2i,Cancer,Signal Transduction,Endocrine &
	Metabolism,ATP2B2
Molecular Weight:	127-136 kDa
Gene ID:	491
UniProt:	Q01814
Pathways:	Sensory Perception of Sound, Regulation of Cell Size, Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
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.

Handling

Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ATP2B2 antibody.