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Datasheet for ABIN7265754 anti-ATP2B1 antibody (AA 250-350)

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Quantity:	100 μL
Target:	ATP2B1
Binding Specificity:	AA 250-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP2B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	ATP2B1 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human ATP2B1 (NP_001673.2).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: ATP2B1

Target Details

Alternative Name:	ATP2B1 (ATP2B1 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 o	
	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 1. Alternatively spliced transcript	
	variants encoding different isoforms have been identified. [provided by RefSeq, Jul	
	2008],PMCA1, PMCA1kb,Calcium Signaling,Cancer,Endocrine &	
	Metabolism,Neuroscience,Signal Transduction,ATP2B1	
Gene ID:	490	
UniProt:	P20020	
Pathways:	Ribonucleoside Biosynthetic Process	
Application Details		
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200	
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.	