

# AT2B3 Polyclonal Antibody

Cat No: HR1AP11120

For research use only

## Overview

Product Name	AT2B3 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	H,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	134kDa
GeneID?Human?	ATP2B3
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
Background	<p>ATPase plasma membrane Ca<sup>2+</sup> transporting 3(ATP2B3) Homo sapiens 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 3. Alternatively spliced tran</p>