

ATPase, Na+/K+ Transporting Beta 2 Polypeptide (ATP1B2) Antibody

Catalogue No.:abx034300



The protein belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, 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 beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane.

Target:	ATPase, Na+/K+ Transporting Beta 2 Polypeptide (ATP1B2)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, FCM
Host:	Rabbit



Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 115-141 amino acids from the Central region of human ATP1B2.
lsotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P14415 (<u>UniProt</u> , <u>ExPASy</u>)
KEGG:	hsa:482
String:	<u>9606.ENSP00000250111</u>
Molecular Weight:	Calculated MW: 33.4 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse, Rat, Cow and Rabbit ATP1B2.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.