Datasheet for ABIN6137310

anti-ATP1B2 antibody (AA 68-290)

2 Images

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Overview

Quantity:	100 µL
Target:	ATP1B2
Binding Specificity:	AA 68-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP1B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 68-290 of human ATP1B2 (NP_001669.3).
Sequence:	DHTPKYQDRL ATPGLMIRPK TENLDVIVNV SDTESWDQHV QKLNKFLEPY NDSIQAQKND VCRPGRYYEQ PDNGVLNYPK RACQFNRTQL GNCSGIGDST HYGYSTGQPC VFIKMNRVIN FYAGANQSMN VTCAGKRDED AENLGNFVMF PANGNIDLMY FPYYGKKFHV NYTQPLVAVK FLNVTPNVEV NVECRINAAN IATDDERDKF AGRVAFKLRI NKT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ATP1B2
Alternative Name:	ATP1B2 (ATP1B2 Products)
Background:	The protein encoded by this gene 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. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 2 subunit. Two transcript variants encoding different isoforms have been found for this gene.,ATP1B2,AMOG,Signal Transduction,Endocrine & Metabolism,ATP1B2
Molecular Weight:	33 kDa
Gene ID:	482
UniProt:	P14415
Pathways:	Thyroid Hormone Synthesis

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

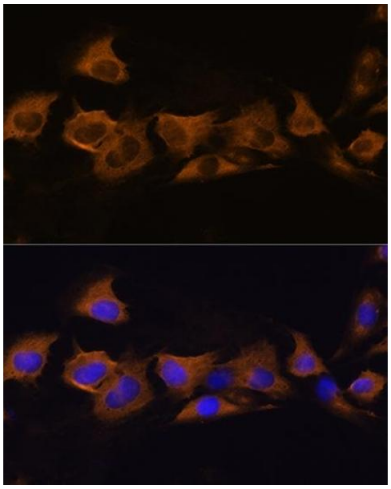
Handling

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.
Storage:	-20 °C

Handling

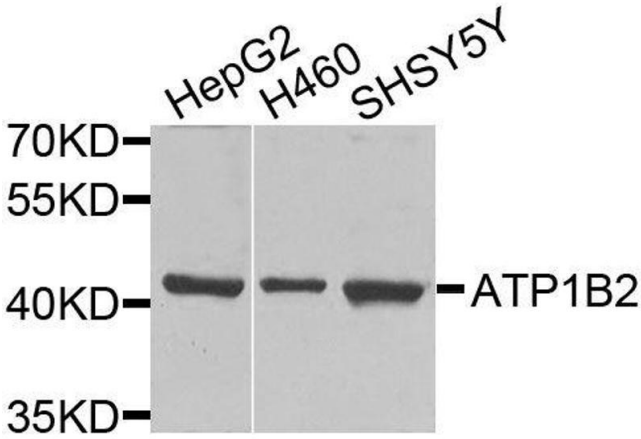
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using B2 Rabbit pAb (ABIN6127467, ABIN6137310, ABIN6137311 and ABIN6225253) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ATP1B2 antibody.