

ATP1B1 Rabbit mAb

Catalog # AP77049

Product Information

Application	WB, IHC-P
Primary Accession	P05026
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human ATP1B1
Purification	Affinity Purified
Calculated MW	35061

Additional Information

Gene ID	481
Other Names	ATP1B1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

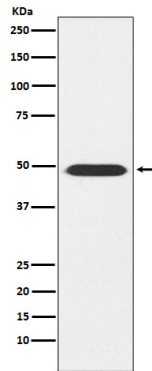
Name	ATP1B1
Synonyms	ATP1B
Function	This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane (PubMed: 19694409). Plays a role in innate immunity by enhancing virus-triggered induction of interferons (IFNs) and interferon stimulated genes (ISGs). Mechanistically, enhances the ubiquitination of TRAF3 and TRAF6 as well as the phosphorylation of TAK1 and TBK1 (PubMed: 34011520).
Cellular Location	Cell membrane; Single-pass type II membrane protein. Apical cell membrane {ECO:0000250 UniProtKB:P07340}; Single-pass type II membrane protein.

Cell membrane, sarcolemma {ECO:0000250|UniProtKB:P14094}.
Note=Colocalizes with OBSCN at the intercalated disk and sarcolemma in cardiomyocytes. Localizes in long striations at the level of Z and M lines {ECO:0000250|UniProtKB:P14094}

Tissue Location

Found in most tissues.

Images



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