

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

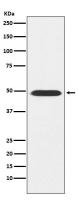
{ECO:0000250 | UniProtKB:P07340}; Single-pass type II membrane protein.

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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