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Anti-ATP1B1 Rabbit Monoclonal Antibody

Catalog # ABO15745

Specification

Anti-ATP1B1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P05026
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-ATP1B1 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-ATP1B1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 481

Other Names
Sodium/potassium-transporting ATPase subunit beta-1, Sodium/potassium-dependent ATPase subunit beta-1, ATP1B1, ATP1B

Calculated MW
40-50 kDa KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human ATP1B1

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-ATP1B1 Rabbit Monoclonal Antibody - 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}

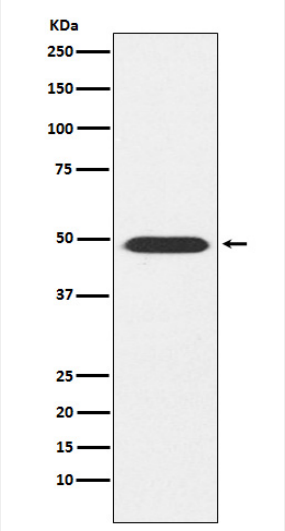
Tissue Location
Found in most tissues.

Anti-ATP1B1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ATP1B1 Rabbit Monoclonal Antibody - Images



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Western blot analysis of ATP1B1 expression in Mouse brain lysate.