

**ATP1B1 Antibody**  
**Rabbit mAb**  
**Catalog # AP92325****Specification**

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**ATP1B1 Antibody - Product Information**

|  |                        |
|--|------------------------|
| Application  | WB, IHC                |
| Primary Accession                                      | <a href="#">P05026</a> |
| Reactivity   | Rat                    |
| Clonality  | Monoclonal             |
| <b>Other Names</b>                                     |                        |
| Adenosinetriphosphatase; ATP1B; ATP1B1; Atpb 1; ATPBS; |                        |
| Isotype  | Rabbit IgG             |
| Host   | Rabbit                 |
| Calculated MW  | 35061 Da               |

**ATP1B1 Antibody - Additional Information**

|                              |  |
|------------------------------|--|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500   |
| Purification                 | Affinity-chromatography  |
| Immunogen                    | A synthesized peptide derived from human ATP1B1  |
| Description                  | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.  |

**ATP1B1 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:<a href="http://www.uniprot.org/citations/19694409" target="\_blank">19694409</a>). 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:<a href="http://www.uniprot.org/citations/34011520" target="\_blank">34011520</a>).

#### 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

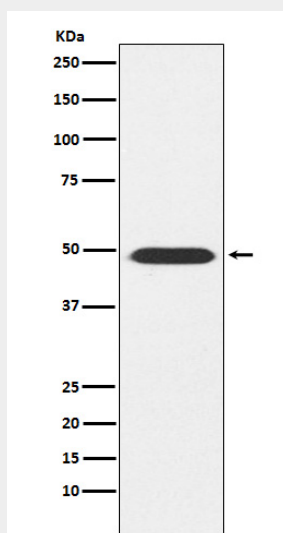
Found in most tissues.

### ATP1B1 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 Cytometry](#)
- [Cell Culture](#)

### ATP1B1 Antibody - Images



Western blot analysis of ATP1B1 expression in Mouse brain lysate.