

ATP1B1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5866c**Specification**

ATP1B1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P05026](#)
Other Accession [NP_001668.1](#)

ATP1B1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 481

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ATP1B1 Antibody (Center) Blocking peptide - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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.

ATP1B1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ATP1B1 Antibody (Center) Blocking peptide - Images