

For Research Use Only

# ATP1B1 Polyclonal antibody, PBS Only

Catalog Number:15192-1-PBS



## Basic Information

Catalog Number:

15192-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7279

GenBank Accession Number:

BC000006

GeneID (NCBI):

481

UNIPROT ID:

P05026

Full Name:

ATPase, Na<sup>+</sup>/K<sup>+</sup> transporting, beta 1 polypeptide

Calculated MW:

35 kDa

Observed MW:

45-52 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

ATP1B1 is one of beta subunits of the Na<sup>+</sup>/K<sup>+</sup> ATPase and responsible for formation and structural integrity of the Na<sup>+</sup>/K<sup>+</sup> ATPase. The Na<sup>+</sup>/K<sup>+</sup> ATPase is a plasma membrane pump consisting of alpha, beta, and gamma subunits. At least four of Na<sup>+</sup>/K<sup>+</sup>-ATPase beta subunits ( $\beta$  1,  $\beta$  2,  $\beta$  3,  $\beta$  4) have been identified in mammalian cells; the  $\beta$  1-subunit (ATP1B1) is the most ubiquitous. The Na<sup>+</sup>/K<sup>+</sup> ATPase  $\beta$  subunits have multiple N-glycosylation sites. The predicted MW of ATP1B1 is 35 kDa, while it migrates around 40-52 kDa due to the variable glycosylation. (PMID: 10896885, 17714085)

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

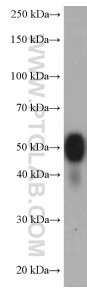
T: 4006900926

E: Proteintech-CN@ptglab.com

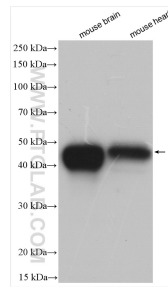
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

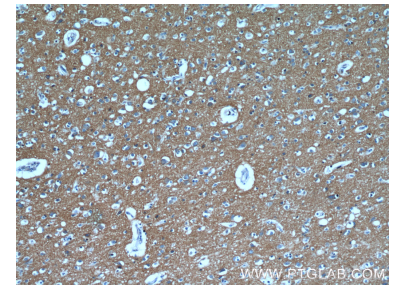
## Selected Validation Data



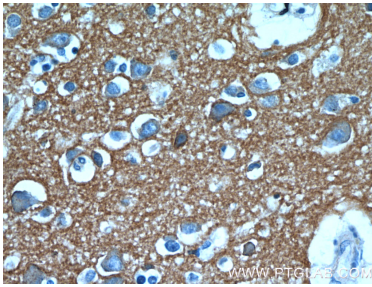
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15192-1-AP (ATP1B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15192-1-PBS in a different storage buffer formulation.



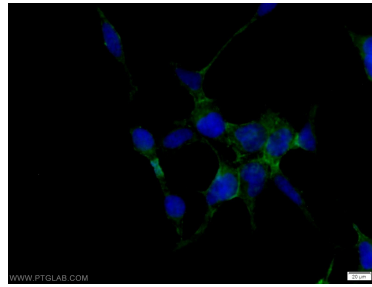
Various lysates were subjected to SDS PAGE followed by western blot with 15192-1-AP (ATP1B1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15192-1-PBS in a different storage buffer formulation.



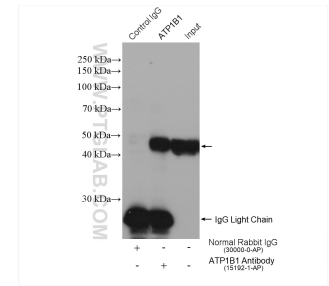
Immunohistochemical analysis of paraffin-embedded human brain using 15192-1-AP (ATP1B1 antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 15192-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human brain using 15192-1-AP (ATP1B1 antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 15192-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HEK-293 cells using 15192-1-AP (ATP1B1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 15192-1-PBS in a different storage buffer formulation.



IP result of anti-ATP1B1 (IP:15192-1-AP, 4ug; Detection:15192-1-AP 1:2000) with mouse brain tissue lysate 1600 ug. This data was developed using the same antibody clone with 15192-1-PBS in a different storage buffer formulation.