

Nur für Forschungszwecke

# ATP1B1 Polyklonaler Antikörper

Katalog-Nr.: 15192-1-AP

8 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 15192-1-AP	<b>GenBank-Zugangsnummer:</b> BC000006	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 450 µg/ml von Nanodrop und 273 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 481	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000 IP 0.5-4.0 µg für IP und 1:1000-1:4000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide	<b>IHC 1:20-1:200</b> <b>IF 1:10-1:100</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 35 kDa	
<b>Immunogen Katalognummer:</b> AG7279	<b>Beobachtete Masse:</b> 49-52 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, IP, WB, ELISA	<b>Positivkontrollen:</b> <b>WB:</b> Maushirngewebe, humanes Herzgewebe, humanes Hirngewebe, Mausherzgewebe <b>IP:</b> Maushirngewebe, <b>IHC:</b> humanes Hirngewebe, humanes Skelettmuskelgewebe <b>IF:</b> HEK-293-Zellen,
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	
<b>Getestete Reaktivität:</b> Human, Maus	
<b>Zitierte Arten:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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 (β1, β2, β3, β4) have been identified in mammalian cells; the β1-subunit (ATP1B1) is the most ubiquitous. The Na<sup>+</sup>/K<sup>+</sup> ATPase β 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)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Akihito Morinaga	31717392	Int J Mol Sci	WB
Wei Cao	34011520	J Immunol	IF, WB
Karolina Plössl	31048931	PLoS One	

## Lagerung

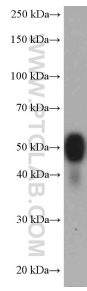
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

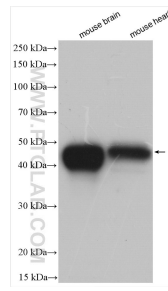
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

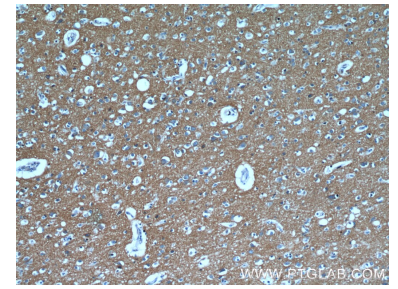
## Ausgewählte Validierungsdaten



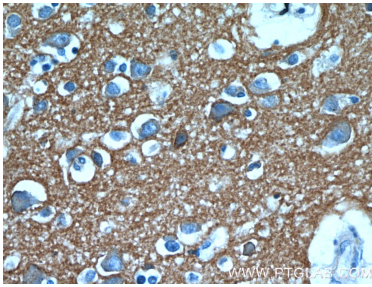
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15192-1-AP (ATP1B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



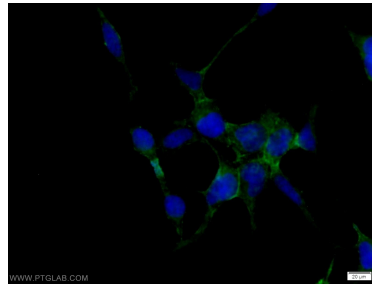
Various lysates were subjected to SDS PAGE followed by western blot with 15192-1-AP (ATP1B1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



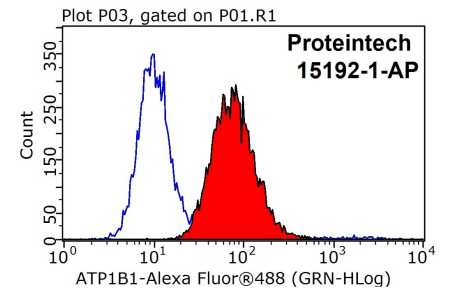
Immunohistochemical analysis of paraffin-embedded human brain using 15192-1-AP (ATP1B1 antibody) at dilution of 1:50 (under 10x lens).



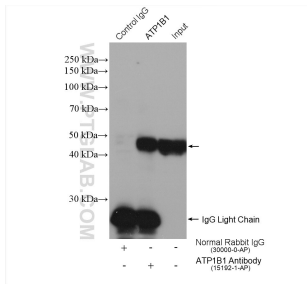
Immunohistochemical analysis of paraffin-embedded human brain using 15192-1-AP (ATP1B1 antibody) at dilution of 1:50 (under 40x lens).



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).



1x10<sup>6</sup> HEK-293 cells were stained with 0.2ug ATP1B1 antibody (15192-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP result of anti-ATP1B1(IP:15192-1-AP, 4ug; Detection:15192-1-AP 1:2000) with mouse brain tissue lysate 1600 ug.