

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ATP1B1



Numéro de catalogue: 15192-1-AP

8 Publications

Informations de base

Numéro de catalogue:

15192-1-AP

Taille:

150ul, Concentration: 450 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG7279

Numéro d'acquisition GenBank:

BC000006

Identification du gène (NCBI):

481

Nom complet:

ATPase, Na⁺/K⁺ transporting, beta 1 polypeptide

MW calculé

35 kDa

MW observés:

49-52 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:8000

IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu cérébral de souris, tissu cardiaque de souris, tissu cardiaque humain, tissu cérébral humain

IP : tissu cérébral de souris,

IHC : tissu cérébral humain, tissu de muscle squelettique humain

IF : cellules HEK-293,

Informations générales

ATP1B1 is one of beta subunits of the Na⁺/K⁺ ATPase and responsible for formation and structural integrity of the Na⁺/K⁺ ATPase. The Na⁺/K⁺ ATPase is a plasma membrane pump consisting of alpha, beta, and gamma subunits. At least four of Na⁺/K⁺-ATPase beta subunits (β1, β2, β3, β4) have been identified in mammalian cells; the β1-subunit (ATP1B1) is the most ubiquitous. The Na⁺/K⁺ 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)

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

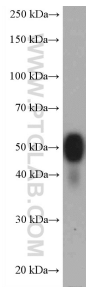
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

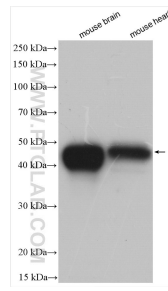
E: proteintech@ptglab.com
W: ptglab.com

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

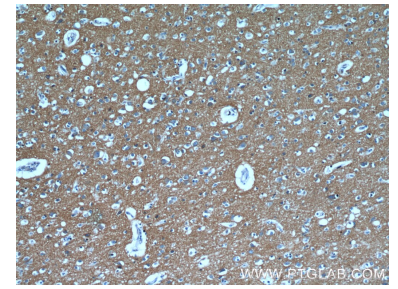
Données de validation sélectionnées



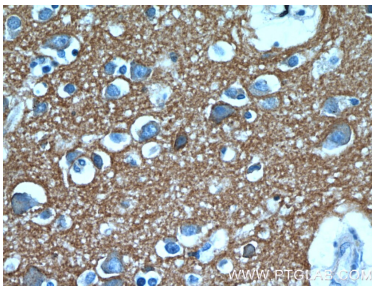
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15192-1-AP (ATP1B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



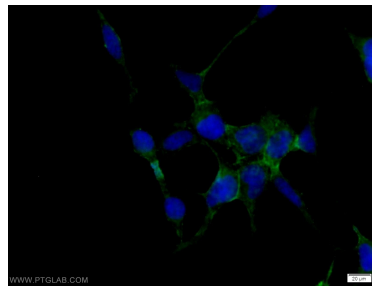
Various lysates were subjected to SDS PAGE followed by western blot with 15192-1-AP (ATP1B1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



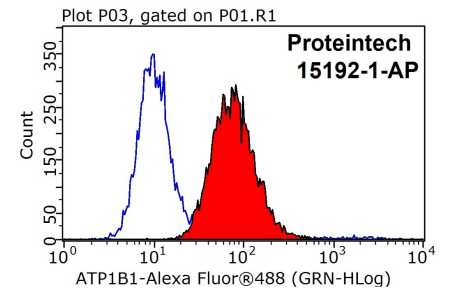
Immunohistochemical analysis of paraffin-embedded human brain using 15192-1-AP (ATP1B1 antibody) at dilution of 1:50 (under 10x lens).



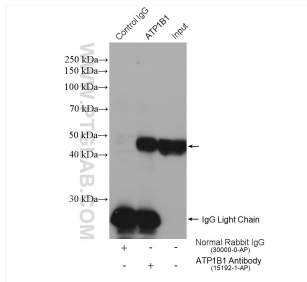
Immunohistochemical analysis of paraffin-embedded human brain using 15192-1-AP (ATP1B1 antibody) at dilution of 1:50 (under 40x lens).



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).



1x10⁶ 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.