

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-ATP1B2



Numéro de catalogue: 22338-1-AP

10 Publications

## Informations de base

Numéro de catalogue:  
22338-1-AP

Taille:  
150ul, Concentration: 450 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG17818

Numéro d'acquisition GenBank:  
BC126175

Identification du gène (NCBI):  
482

Nom complet:  
ATPase, Na<sup>+</sup>/K<sup>+</sup> transporting, beta 2 polypeptide

MW calculé  
290 aa, 33 kDa

MW observés:  
45-65 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:500-1:2000  
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB  
IHC 1:20-1:200

## Applications

Applications testées:  
IHC, IP, WB, ELISA

Demandes citées:  
IF, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat, souris

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

Contrôles positifs:

WB : tissu cérébral de souris, cellule C2C12, cellules C6, tissu cérébral humain, tissu de muscle squelettique de souris

IP : tissu de muscle squelettique de souris,

IHC : tissu cérébral humain,

## Informations générales

ATP1B2 is the  $\beta 2$  subunit of Na<sup>+</sup>/K<sup>+</sup>-ATPase which is an essential membrane-bound enzyme responsible for the transport of Na<sup>+</sup> and K<sup>+</sup> in most eukaryotic cells. ATP1B2 is also called the adhesion molecule on glia (AMOG) and it is highly expressed in normal glia. It is a heavily glycosylated protein that plays a role in cellular adhesion in the CNS. Recently differential expression of ATP1B2 has been found in some glioneuronal tumors (PMID: 23887941, 19371356). This antibody recognizes the endogenous ATP1B2 protein in human brain. The bands between 45 kDa and 65 kDa represent the glycosylated forms of ATP1B2 in different levels (PMID: 8918259).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Bo Pan	36261079	Neurosci Lett	WB
Shen Liu	33144554	Med Sci Monit	WB
Danny Christiansen	29745801	J Appl Physiol (1985)	WB

## 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.

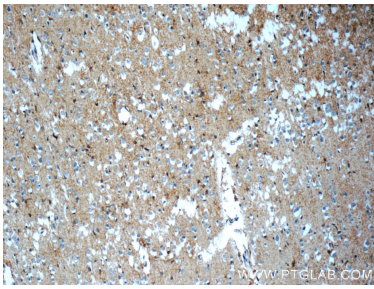
For technical support and original validation data for this product please contact:

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

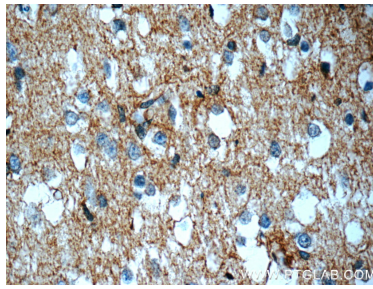
E: proteintech@ptglab.com  
W: ptglab.com

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

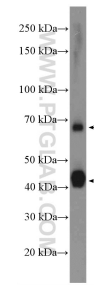
## Données de validation sélectionnées



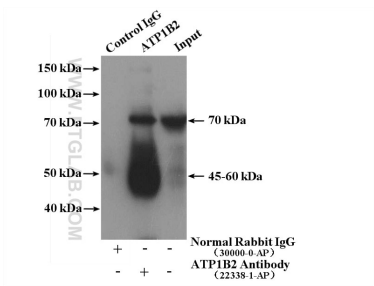
Immunohistochemical analysis of paraffin-embedded human brain slide using 22338-1-AP (ATP1B2 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human brain slide using 22338-1-AP (ATP1B2 Antibody) at dilution of 1:50.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 22338-1-AP (ATP1B2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-ATP1B2 (IP:22338-1-AP, 4ug; Detection:22338-1-AP 1:1000) with mouse skeletal muscle tissue lysate 4000ug.