À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ATP1A2

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:16836-1-AP 16 Publications

Informations de base

Numéro de catalogue:
16836-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG10515

Numéro d'acquisition GenBank:
BC052271

Identification du gène (NCBI):
477

Nom complet:
ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide

MW calculé
1020 aa, 112 kDa

MW observés:
97-100 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IHC 1:50-1:500
IF 1:10-1:100

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
canin, 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 cardiaque de souris incubé à 37 °C, tissu de muscle squelettique de souris incubé à 37 °C

IHC : tissu cardiaque de souris, tissu cardiaque humain, tissu cutané humain, tissu rénal humain, tissu testiculaire humain

IF : cellules HeLa,

Informations générales

ATP1A2 (Na+/K+-ATPase α-2 subunit) is the catalytic component of the active enzyme Na+/K+-ATPase, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. The Na+/K+-ATPase is composed of a larger catalytic α-subunit (~110 kDa) and a small β-subunit (~55 kDa). The α subunit has four isoforms identified to date: α1, α2, α3 and α4.The α1 isoform is expressed ubiquitously but the α2 isoform is present largely in the skeletal muscle, heart and vascular smooth muscle. The α3 isoform is found almost exclusively in neurons and ovaries. The α4 isoform is expressed in sperm. This antibody was raised against the internal region of the human ATP1A2 and can recognizes all the isoforms of α subunit. The 65kDa band detected occasionally may be the degradation product of ATP1A2.

Publications notables

Autrice	Pubmed ID	Journal	Application
Ji Zhu	28970012	Eur J Pharmacol	WB
Yanglei Jia	30245637	Front Physiol	WB
Mariarosaria Cammarota	34481380	Biomed Pharmacother	WB,IF

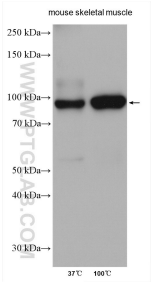
Stockage

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

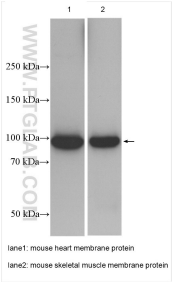
*** Les 20ul contiennent 0,1% de BSA.

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

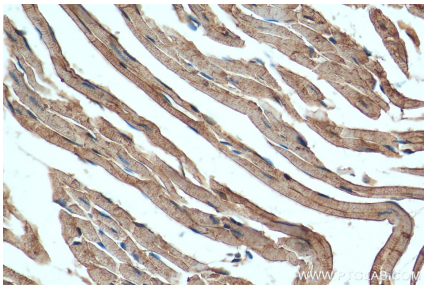
Données de validation sélectionnées



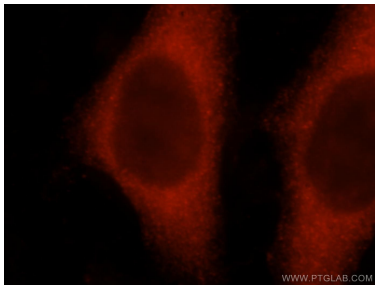
37 °C incubated or boiled mouse skeletal muscle lysates were subjected to SDS PAGE followed by western blot with 16836-1-AP (ATP1A2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



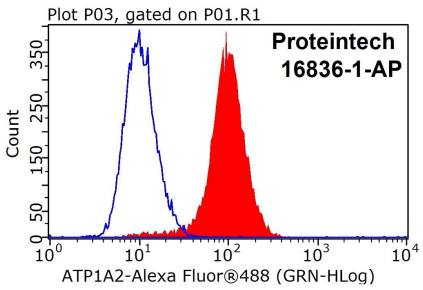
Various lysates were subjected to SDS PAGE followed by western blot with 16836-1-AP (ATP1A2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16836-1-AP (ATP1A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of Hela cells, using ATP1A2 antibody 16836-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1X10^6 HeLa cells were stained with 0.5ug ATP1A2 antibody (16836-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). FITC-Goat anti-Rabbit IgG with dilution 1:100.