À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ATP1A3 (C-terminal)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:10868-1-AP 3 Publications

Informations de base

Numéro de catalogue:
10868-1-AP

Taille:
150ul , Concentration: 330 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG1313

Numéro d'acquisition GenBank:
BC015566

Identification du gène (NCBI):
478

Nom complet:
ATPase, Na+/K+ transporting, alpha 3 polypeptide

MW calculé
113 kDa

MW observés:
100-113 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain

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 : cellule C2C12, cellules C2C12

IHC : tissu de cancer de la prostate humain, tissu cérébral de souris, tissu de cervelet humain, tissu de muscle squelettique de souris

IF : tissu cérébral de souris,

Informations générales

ATP1A3 participates in the catalyticing hydrolysis of ATP and the exchanging of sodium and potassium ions across plasma membrane. The catalyticing activity mode is ATP + H2O + Na+(In) + K+(Out) = ADP + phosphate + Na+(Out) + K+(In). It has been published that the neurologic disorders rapid-onset dystonia-parkinsonsism (RDP), alternating hemiplegia of childhood (ACH) and CAPOS syndrome (cerebellar ataxia, areflexia, pes cavus, optic atrophy and sensorineural hearing loss) are all related with the mutation of ATP1A3. There are other reports suggest that early life epilepsy and episodic apnea revealing are potentially associated with the mutation of ATP1A3 as a result of impairment of Na/K homeostasis. This antibody is generated against the C-terminal region (665-1013aa) of ATP1A3 and detects the band around 100-113 kDa in SDS-PAGE.(PMID: 30097153, 20301294, 29922587)

Publications notables

Autrice	Pubmed ID	Journal	Application
Di Wu	34868940	Front Oncol	WB
Wei Huang	32684846	Cancer Cell Int	IHC
Qiankun Ji	36627101	Life Sci	WB,IHC

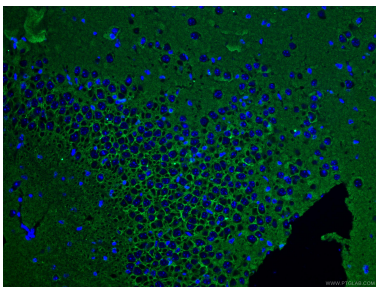
Stockage

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

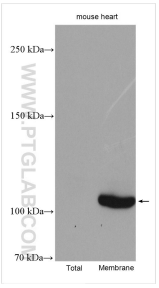
***** Les 20ul contiennent 0,1% de BSA.**

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

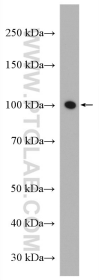
Données de validation sélectionnées



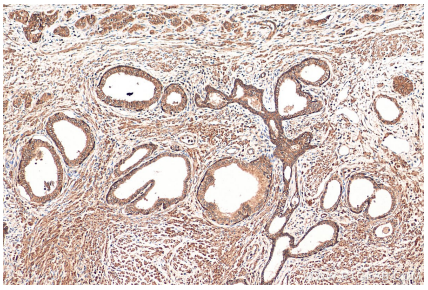
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 10868-1-AP (ATP1A3 (C-terminal) antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



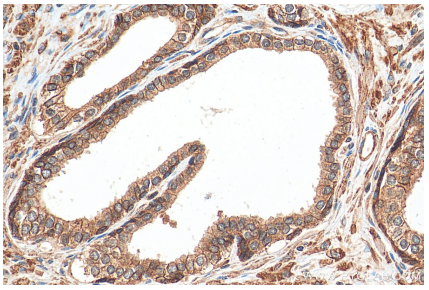
Various lysates were subjected to SDS PAGE followed by western blot with 10868-1-AP (ATP1A3 (C-terminal) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



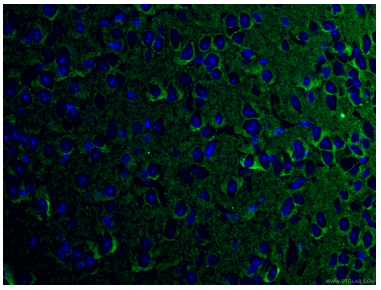
C2C12 cell were subjected to SDS PAGE followed by western blot with 10868-1-AP (ATP1A3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10868-1-AP (ATP1A3 (C-terminal) antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10868-1-AP (ATP1A3 (C-terminal) antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 10868-1-AP (ATP1A3 (C-terminal) antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).