

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ATP1A3



Numéro de catalogue: 25727-1-AP

Informations de base

Numéro de catalogue: 25727-1-AP	Numéro d'acquisition GenBank: BC015566	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 478	Dilutions recommandées: WB 1:2000-1:16000
Hôte: Lapin	Nom complet: ATPase, Na ⁺ /K ⁺ transporting, alpha 3 polypeptide	IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Isotype: IgG	MW calculé: 1013 aa, 112 kDa	IHC 1:50-1:500 IF 1:50-1:500
Immunogen Catalog Number: AG22842	MW observés: 110-113 kDa	

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Spécificité de l'espèce:

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,

IP : tissu cérébral de rat,

IHC : tissu de cancer de la prostate humain,

IF : tissu cérébral de souris,

Informations générales

ATP1A3 participates in the catalytic hydrolysis of ATP and the exchanging of sodium and potassium ions across plasma membrane. The catalytic activity mode is $ATP + H_2O + Na^+(In) + K^+(Out) = ADP + phosphate + Na^+(Out) + K^+(In)$. It has been published that the neurologic disorders rapid-onset dystonia-parkinsonism (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)

Stockage

Stockage:

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

Tampon de stockage:

PBS avec azotate 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.

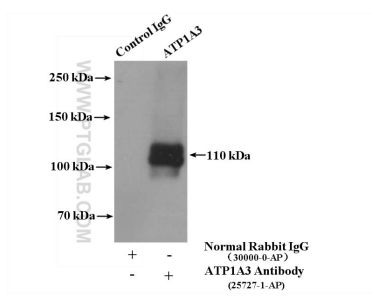
For technical support and original validation data for this product please contact:

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

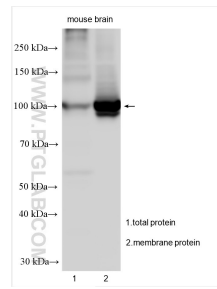
E: proteintech@ptglab.com
W: ptglab.com

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

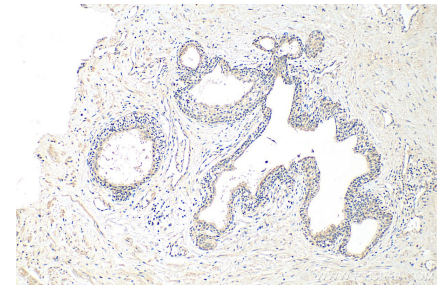
Données de validation sélectionnées



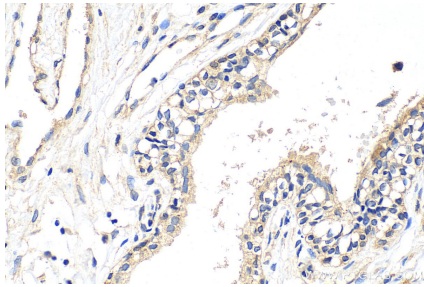
IP Result of anti-ATP1A3 (IP:25727-1-AP, 4 μ g; Detection:25727-1-AP 1:500) with rat brain tissue lysate 4000 μ g.



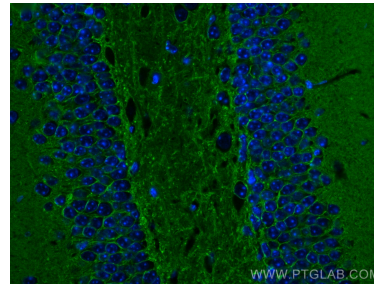
Various lysates were subjected to SDS PAGE followed by western blot with 25727-1-AP (ATP1A3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



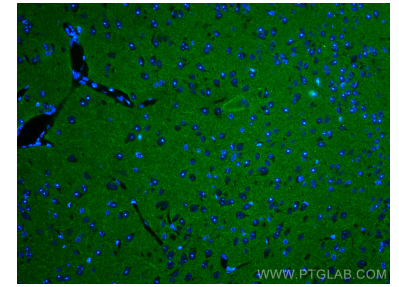
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 25727-1-AP (ATP1A3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 25727-1-AP (ATP1A3 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 ATP1A3 antibody (25727-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using ATP1A3 antibody (25727-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).