À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ATP2C1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:13310-1-AP 3 Publications

Informations de base

Numéro de catalogue:
13310-1-AP

Taille:
150ul , Concentration: 350 μg/ml by Nanodrop and 200 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4143

Numéro d'acquisition GenBank:
BC028139

Identification du gène (NCBI):
27032

Nom complet:
ATPase, Ca++ transporting, type 2C, member 1

MW calculé
919 aa, 101 kDa

MW observés:
95-103 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:20-1:200

Applications

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

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 : cellules A431, cellules HeLa, tissu cérébral de rat, tissu cérébral humain

IP : tissu rénal de souris,

IHC : tissu cérébral de souris,

IF : cellules HeLa,

Informations générales

ATP2C1, also known as hSPCA1, belongs to the family of P-type cation transport ATPases. ATP2C1 is a Golgi-localized ATPase that mediates Golgi uptake of cytosolic Ca(2+) and Mg(2+) and has a role in regulating Ca(2+) and Mn(2+) cellular content (PMID: 11741891). ATP2C1 is found in most tissues except colon, thymus, spleen, and leukocytes. It is expressed in keratinocytes (PMID: 15831496, 14632183). Defects in ATP2C1 cause Hailey-Hailey disease (HHD)(PMID: 10615129, 28035777).

Publications notables

Autrice	Pubmed ID	Journal	Application
Peiyao Li	36254249	Clin Cosmet Investig Dermatol	WB
Hongfu Xie	34239867	Front Cell Dev Biol	WB
Shaona Li	37550659	BMC Pulm Med	WB

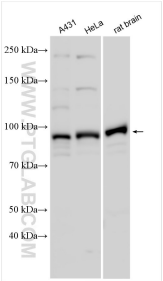
Stockage

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

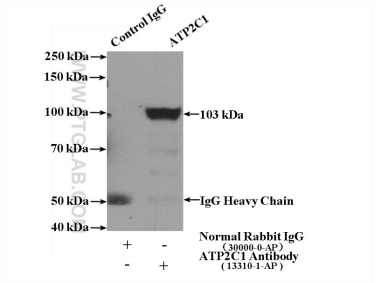
*** Les 20ul contiennent 0,1% de BSA.

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

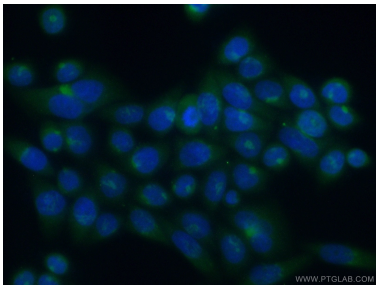
Données de validation sélectionnées



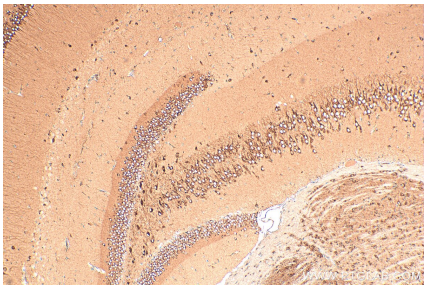
Various lysates were subjected to SDS PAGE followed by western blot with 13310-1-AP (ATP2C1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



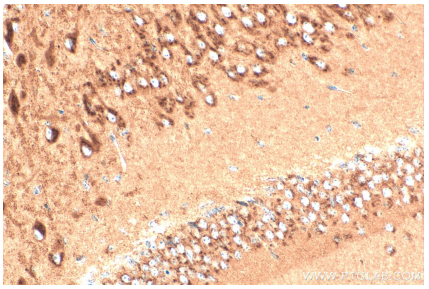
IP Result of anti-ATP2C1 (IP:13310-1-AP, 4ug; Detection:13310-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 13310-1-AP (ATP2C1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13310-1-AP (ATP2C1 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 mouse brain tissue slide using 13310-1-AP (ATP2C1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).