

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-OCTN2



Numéro de catalogue: 16331-1-AP

Phare

6 Publications

Informations de base

Numéro de catalogue:
16331-1-AP

Taille:
150ul, Concentration: 350 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG9450

Numéro d'acquisition GenBank:
BC012325

Identification du gène (NCBI):
6584

Nom complet:
solute carrier family 22 (organic cation/carnitine transporter), member 5

MW calculé
557 aa, 63 kDa

MW observés:
70-80 kDa

Méthode de purification:
Purification par affinité contre l'antigène

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

Applications

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

Demandes citées:
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 d'intestin grêle de souris, tissu de muscle squelettique de souris, tissu pancréatique de souris, tissu placentaire humain, tissu testiculaire de souris

IP : tissu de muscle squelettique de souris,

IHC : tissu rénal humain,

Informations générales

OCTN2 (Organic Cation/Carnitine Transporter 2), encoded by SLC22A5, is a ubiquitously expressed organic anion/cation transporter. OCTN2 plays a key role in absorption, tissue distribution and renal reabsorption of L-carnitine which is an essential cofactor in fat metabolism. Defects in the OCTN2 are responsible for primary carnitine deficiency. OCTN2 also transports some important respiratory medicines (such as tiotropium), and due to its expression in the lung, may influence the disposition and absorption of these medicines in the lung.

Publications notables

Autrice	Pubmed ID	Journal	Application
S Fujita	30295925	J Neurochem	WB
Zheng Jing	35788046	Toxicol Lett	WB
Siwei Wang	30579255	Biomed Pharmacother	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.

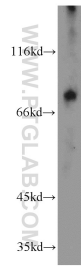
For technical support and original validation data for this product please contact:

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

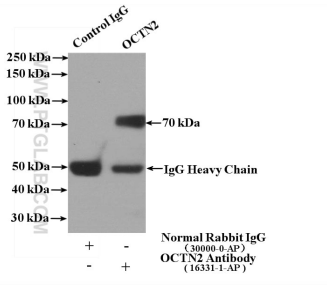
E: proteintech@ptglab.com
W: ptglab.com

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

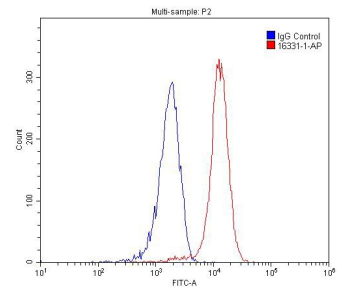
Données de validation sélectionnées



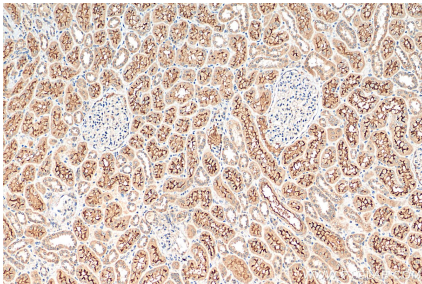
mouse small intestine tissue were subjected to SDS PAGE followed by western blot with 16331-1-AP (OCTN2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



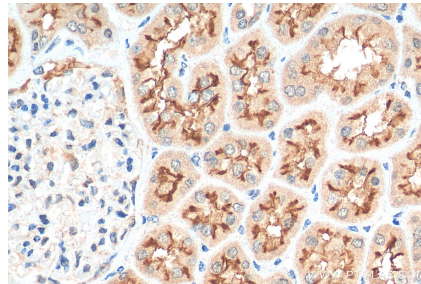
IP Result of anti-OCTN2 (IP:16331-1-AP, 4ug; Detection:16331-1-AP 1:500) with mouse skeletal muscle tissue lysate 2200ug.



1×10^6 HEK-293 cells were stained with 0.2ug OCTN2 antibody (16331-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16331-1-AP (OCTN2 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 kidney tissue slide using 16331-1-AP (OCTN2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).