

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-VDAC1/Porin



Numéro de catalogue: 55259-1-AP

Phare

100 Publications

Informations de base

Numéro de catalogue:

55259-1-AP

Taille:

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

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_003374

Identification du gène (NCBI):

7416

Nom complet:

voltage-dependent anion channel 1

MW calculé

31 kDa

MW observés:

31 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

CoIP, FC, IF, IHC, IP, PLA, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, canin, Humain, porc, rat, singe, souris, Hamster

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 RAW 264.7, cellules A431, cellules HEK-293, cellules HeLa, cellules HepG2, cellules NIH/3T3, cellules ROS1728, tissu cardiaque de rat, tissu cardiaque de souris, tissu cérébral de rat, tissu cérébral de souris, tissu de muscle squelettique humain, tissu hépatique de rat, tissu hépatique de souris

IP : cellules A431,

IHC : tissu cardiaque humain, tissu hépatique humain

IF : tissu de cancer du foie humain,

Informations générales

VDAC1, also named as VDAC, porin 31HM, porin 31HL and plasmalemmal porin, belongs to the eukaryotic mitochondrial porin family. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV, to form a channel through the mitochondrial outer membrane and also the plasma membrane. Unlike other membrane transport proteins, porins are large enough to allow passive diffusion. Studies have shown that VDAC1 is subject to both phosphorylation and acetylation (PMID: 23233904). The apparent molecular weight of VDAC1 is 30-37 kDa (PMID: 14573604; 23754752; 25681439). Hypoxic conditions were found to trigger cleavage of the VDAC1 C-terminal to yield a 26-kDa truncated but active form (PMID: 22389449; 23233904). This antibody is specific to VDAC1.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jing Sun	34650437	Front Pharmacol	WB
Tianying Pan	29163791	Oncotarget	WB
Lian Xue	36186902	J Cancer	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.

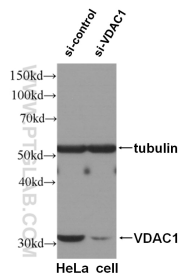
For technical support and original validation data for this product please contact:

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

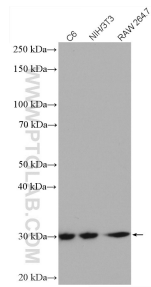
E: proteintech@ptglab.com
W: ptglab.com

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

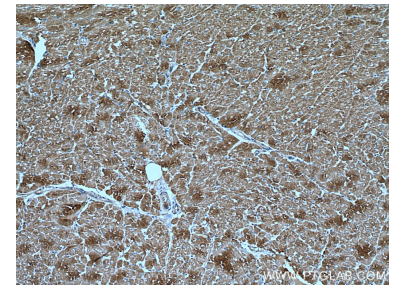
Données de validation sélectionnées



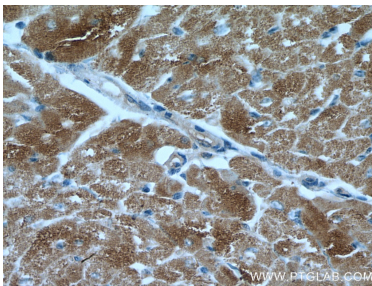
WB result of VDAC1 antibody (55259-1-AP, 1:2000) with si-Control and si-VDAC1 transfected HeLa cells.



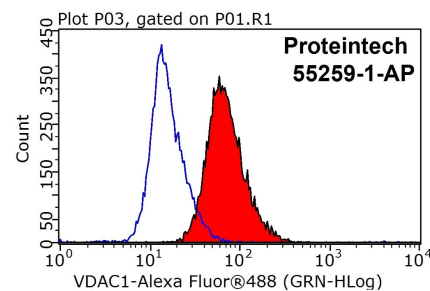
Various lysates were subjected to SDS PAGE followed by western blot with 55259-1-AP (VDAC1/Porin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



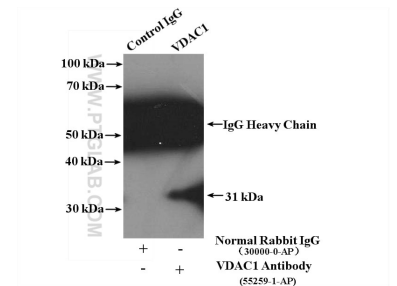
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 55259-1-AP (VDAC1/Porin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



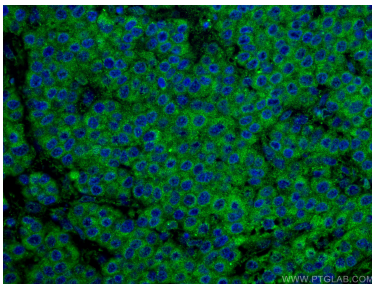
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 55259-1-AP (VDAC1/Porin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HepG2 cells were stained with 0.2ug VDAC1/Porin antibody (55259-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP Result of anti-VDAC1/Porin (IP:55259-1-AP, 4ug; Detection:55259-1-AP 1:500) with A431 cells lysate 2400ug.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using VDAC1/Porin antibody (55259-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).