

Nur für Forschungszwecke

VDAC1/Porin Polyklonaler Antikörper



Katalog-Nr.:55259-1-AP

Vorgestelltes Produkt

96 Publikationen

Allgemeine Informationen

Katalog-Nr.:

55259-1-AP

Größe:

150ul, Konzentration: 700 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_003374

GeneID (NCBI):

7416

Vollständiger Name:

voltage-dependent anion channel 1

Berechnete Masse:

31 kDa

Beobachtete Masse:

31 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IP 0.5-4.0 µg für IP und 1:500-1:1000

für WB

IHC 1:50-1:500

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

ColP, FC, IF, IHC, IP, PLA, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Affe, Hamster, Hausschwein, Human, Maus, Ratte, Rind

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : RAW 264.7-Zellen, A431-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, humanes Skelettmuskelgewebe, Mausherzgewebe, Maushirngewebe, Mauslebergewebe, NIH/3T3-Zellen, Rattenherzgewebe, Rattenhirngewebe, Rattenlebergewebe, ROS1728-Zellen

IP : A431-Zellen,

IHC : humanes Herzgewebe, humanes Lebergewebe

IF : humanes Leberkarzinomgewebe,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jing Sun	34650437	Front Pharmacol	WB
Tianying Pan	29163791	Oncotarget	WB
Lian Xue	36186902	J Cancer	WB,IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern.

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

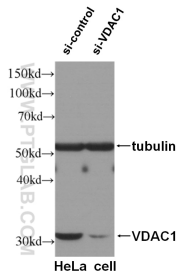
For technical support and original validation data for this product please contact:

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

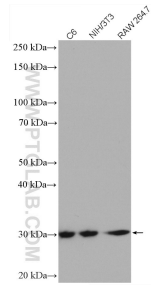
E: proteintech@ptglab.com
W: ptglab.com

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

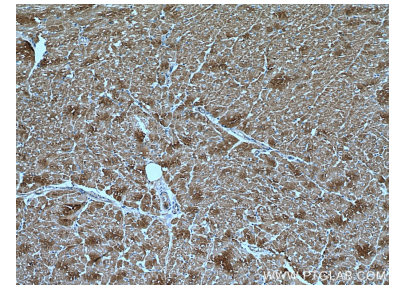
Ausgewählte Validierungsdaten



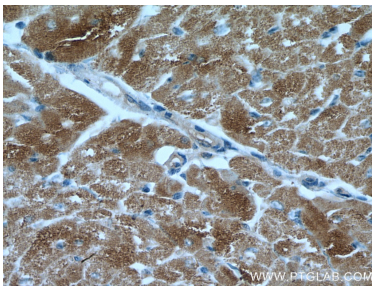
WB result of VDAC1 antibody (55259-1-AP, 1:2000) with si-Control and si-VDAC1 transfected HeLa cells.



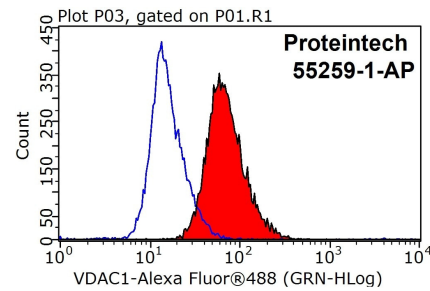
Various lysates were subjected to SDS PAGE followed by western blot with 55259-1-AP (VDAC1/Porin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



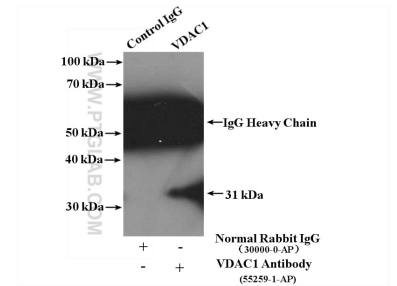
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 55259-1-AP (VDAC1/Porin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



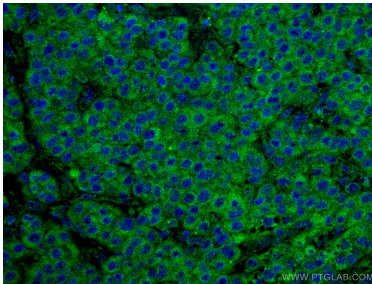
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 55259-1-AP (VDAC1/Porin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).