

Nur für Forschungszwecke

# VDAC1/2 Polyklonaler Antikörper

Katalog-Nr.:10866-1-AP

Vorgestelltes Produkt

127 Publikationen



## Allgemeine Informationen

|   |   |   |
|---|---|---|
| <b>Katalog-Nr.:</b><br>10866-1-AP   | <b>GenBank-Zugangsnummer:</b><br>BC008482                       | <b>Reinigungsmethode:</b><br>Antigen-Affinitätsreinigung                              |
| <b>Größe:</b><br>150ul , Konzentration: 600 µg/ml von Nanodrop und 213 µg/ml durch die Bradford-Methode mit BSA als Standard; | <b>GeneID (NCBI):</b><br>7416                                   | <b>Empfohlene Verdünnungen:</b><br>WB 1:500-1:3000<br>IHC 1:50-1:500<br>IF 1:50-1:500 |
| <b>Wirt:</b><br>Kaninchen   | <b>Vollständiger Name:</b><br>voltage-dependent anion channel 1 |   |
| <b>Isotyp:</b><br>IgG   | <b>Berechnete Masse:</b><br>31 kDa                              |   |
| <b>Immunogen Katalognummer:</b><br>AG1144   | <b>Beobachtete Masse:</b><br>31 kDa                             |   |

## Anwendungen

|  |   |
|--|---|
| <b>Geprüfte Anwendungen:</b><br>IF, IHC, WB, ELISA                                     | <b>Positivkontrollen:</b><br>WB : HEK-293-Zellen, 4T1-Zellen, Jurkat-Zellen, Mausnierengewebe, MCF-7-Zellen, MDA-MB-453s-Zellen, Rattennierengewebe |
| <b>In Publikationen genannte Anwendungen:</b><br>CoIP, IF, IHC, WB                     | <b>IHC :</b> humanes Kolongewebe, Mausherzgewebe  |
| <b>Getestete Reaktivität:</b><br>Human, Maus, Ratte                                    | <b>IF :</b> humanes Leberkarzinomgewebe,  |
| <b>Zitierte Arten:</b><br>Affe, Hausschwein, Human, Kaninchen, Maus, Ratte, Zebrafisch |   |

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

## 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 polyclonal antibody raised against full-length human VDAC1 protein can cross react with VDAC2.

## Bemerkenswerte Veröffentlichungen

| Verfasser   | Pubmed ID | Journal            | Anwendung |
|-------------|-----------|--------------------|-----------|
| Han Liao    | 26415619  | Chem Biol Interact | WB        |
| Junjun Zhou | 32942015  | Pharmacol Res      | WB        |
| Jingyao Li  | 36089186  | Kidney Int         | WB        |

## Lagerung

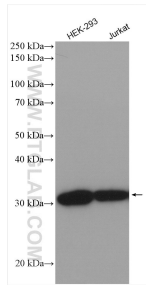
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

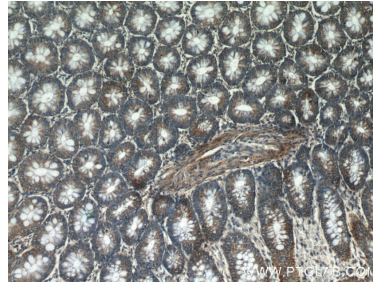
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

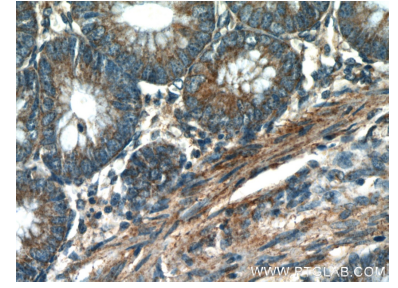
## Ausgewählte Validierungsdaten



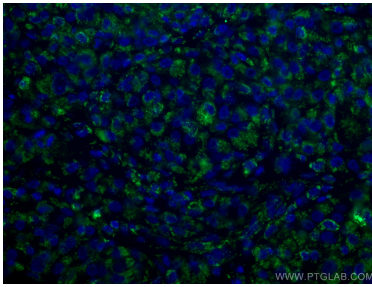
Various lysates were subjected to SDS PAGE followed by western blot with 10866-1-AP (VDAC1/2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



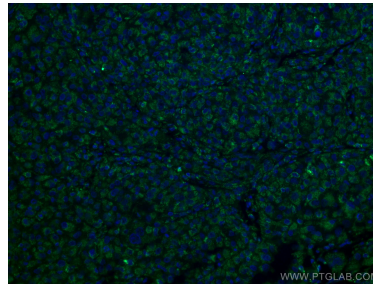
Immunohistochemical analysis of paraffin-embedded human colon using 10866-1-AP (VDAC1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 10866-1-AP (VDAC1 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using 10866-1-AP (VDAC1/2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using 10866-1-AP (VDAC1/2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).