

For Research Use Only

# VDAC1/2/3 Polyclonal antibody

Catalog Number: 11663-1-AP **25 Publications**



## Basic Information

<b>Catalog Number:</b> 11663-1-AP	<b>GenBank Accession Number:</b> BC000165	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 7417	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P45880	
<b>Isotype:</b> IgG	<b>Full Name:</b> voltage-dependent anion channel 2	
<b>Immunogen Catalog Number:</b> AG2266	<b>Calculated MW:</b> 294 aa, 32 kDa	
	<b>Observed MW:</b> 32 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
CoIP, IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** mouse brain tissue, human heart tissue, mouse heart tissue, rat brain tissue, rat heart tissue

**IHC :** human prostate cancer tissue, human prostate tissue

## Background Information

VDACs (Voltage Dependent Anion selective Channels), also known as mitochondrial porins, are a family of pore-forming proteins discovered in the mitochondrial outer membrane. Mammals show a conserved genetic organization of the VDAC genes. It's reported that the amount of VDAC transcripts in liver is usually lower than in the other tissues. VDAC2 and especially VDAC3 are highly expressed in testis, while mouse VDAC1 is poorly expressed in this tissue.(PMID: 22020053)

## Notable Publications

Author	Pubmed ID	Journal	Application
Masateru Okazaki	26407725	Biochim Biophys Acta	WB
Ying Zhang	33087875	Cell Death Differ	WB,IF
Jeng-Yuan Shiau	26557148	Evid Based Complement Alternat Med	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

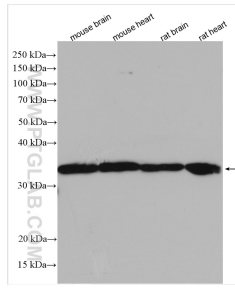
T: 4006900926

E: Proteintech-CN@ptglab.com

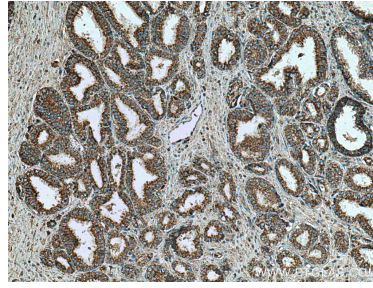
W: ptgcn.com

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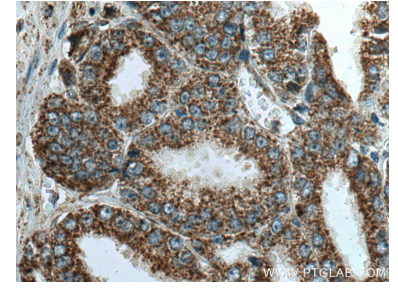
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11663-1-AP (VDAC1/2/3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11663-1-AP (VDAC1/2/3 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 prostate cancer tissue slide using 11663-1-AP (VDAC1/2/3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).