

For Research Use Only

VDAC1/2/3 Polyclonal antibody

Catalog Number: 11663-1-AP **33 Publications**



Basic Information

Catalog Number: 11663-1-AP	GenBank Accession Number: BC000165	Purification Method: Antigen affinity purification
Concentration: 700 ug/ml	GeneID (NCBI): 7417	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:1200
Source: Rabbit	UNIPROT ID: P45880	
Isotype: IgG	Full Name: voltage-dependent anion channel 2	
Immunogen Catalog Number: AG2266	Calculated MW: 294 aa, 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, duck

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 normal colon, 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

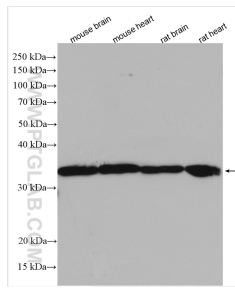
T: 4006900926

E: Proteintech-CN@ptglab.com

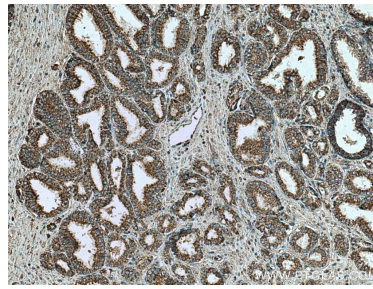
W: ptgcn.com

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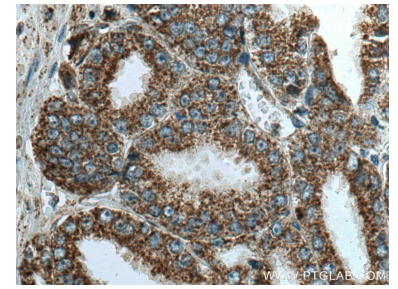
Selected Validation Data



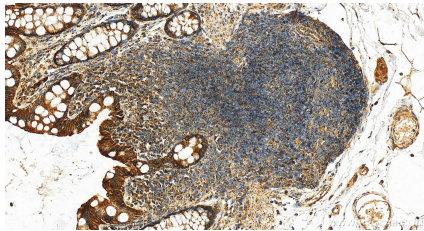
Various lysates were subjected to SDS PAGE followed by western blot with 11663-1-AP (VDAC1/2/3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



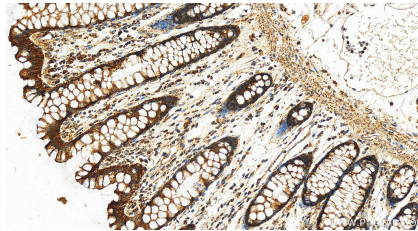
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11663-1-AP (VDAC1/2/3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11663-1-AP (VDAC1/2/3 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11663-1-AP (VDAC1/2/3 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).