

For Research Use Only

# VDAC2 Recombinant antibody, PBS Only

Catalog Number: 84225-3-PBS



## Basic Information

<b>Catalog Number:</b> 84225-3-PBS	<b>GenBank Accession Number:</b> BC000165	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7417	<b>CloneNo.:</b> 241569C3
<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	

## Applications

**Tested Applications:**  
IHC, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
human, mouse

## 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)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

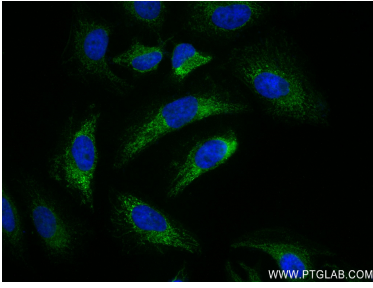
For technical support and original validation data for this product please contact:

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

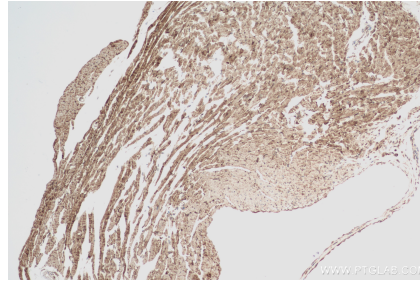
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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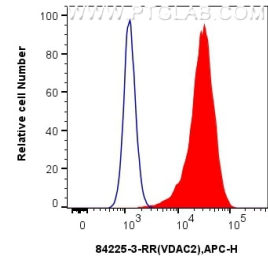
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using VDAC2 antibody (84225-3-RR, Clone: 241569C3 ) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84225-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 84225-3-RR (VDAC2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84225-3-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug Vdac2 Recombinant Antibody (84225-3-RR, Clone:241569C3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84225-3-PBS in a different storage buffer formulation.