

For Research Use Only

# VDAC2 Recombinant antibody

Catalog Number:84225-3-RR



## Basic Information

<b>Catalog Number:</b> 84225-3-RR	<b>GenBank Accession Number:</b> BC000165	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7417	<b>CloneNo.:</b> 241569C3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P45880	<b>Recommended Dilutions:</b> IHC 1:200-1:800 IF/ICC 1:200-1:800
<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), ELISA

**Species Specificity:**  
human, 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:**

IHC : mouse heart tissue,

IF/ICC : HeLa cells,

## 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 -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

**\*\*\* 20ul sizes contain 0.1% BSA**

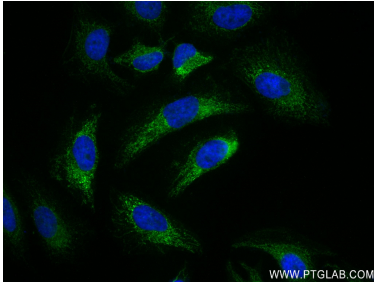
For technical support and original validation data for this product please contact:

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

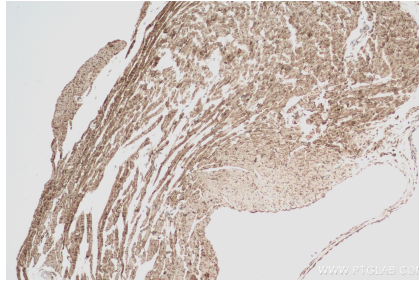
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

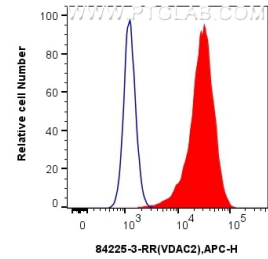
## Selected Validation Data



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).



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).



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).