

For Research Use Only

VDAC2 Recombinant antibody

Catalog Number: 84225-3-RR



Basic Information

Catalog Number: 84225-3-RR	GenBank Accession Number: BC000165	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7417	CloneNo.: 241569C3
Source: Rabbit	UNIPROT ID: P45880	Recommended Dilutions: IHC 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: voltage-dependent anion channel 2	
Immunogen Catalog Number: AG2266	Calculated MW: 294 aa, 32 kDa	

Applications

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

Species Specificity:
human, mouse

Positive Controls:
IHC : mouse heart tissue,
IF/ICC : HeLa cells,

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

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

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

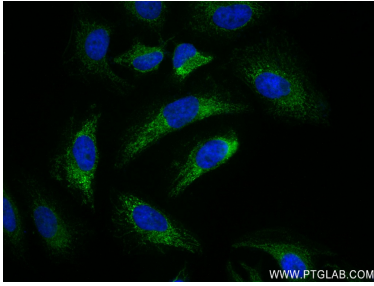
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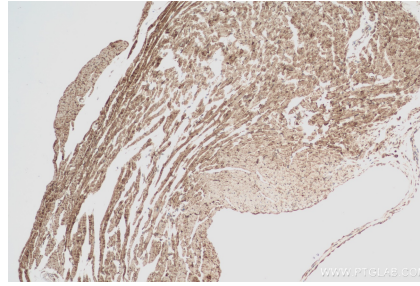
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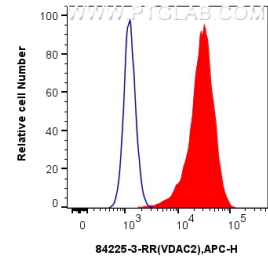
Selected Validation Data



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).



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).



1x10⁶ 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).