

For Research Use Only

# VDAC2 Recombinant antibody

Catalog Number: 84225-2-RR



## Basic Information

Catalog Number:

84225-2-RR

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2266

GenBank Accession Number:

BC000165

GeneID (NCBI):

7417

UNIPROT ID:

P45880

Full Name:

voltage-dependent anion channel 2

Calculated MW:

294 aa, 32 kDa

Observed MW:

31-33 kDa

Purification Method:

Protein A purification

CloneNo.:

241569G11

Recommended Dilutions:

WB 1:2000-1:16000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HEK-293 cells, HuH-7 cells, L02 cells,  
mouse brain tissue, mouse heart tissue, rat brain 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)

## 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:

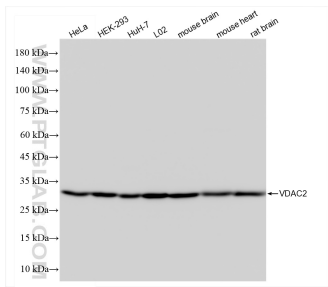
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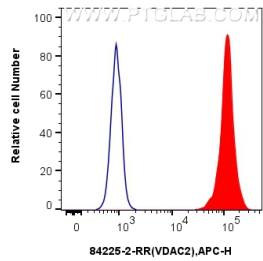
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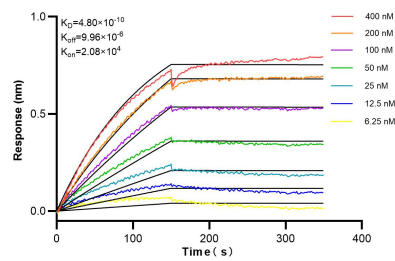
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84225-2-RR (VDAC2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug Vdac2 Recombinant Antibody (84225-2-RR, Clone:241569G11) 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).



Biolayer interferometry (BLI) kinetic assays of 84225-2-RR against Human VDAC2 were performed. The affinity constant is 0.48 nM.