

For Research Use Only

VDAC2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84225-2-PBS



Basic Information

Catalog Number: 84225-2-PBS	GenBank Accession Number: BC000165	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7417	CloneNo.: 241569G11
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: 31-33 kDa	

Applications

Tested Applications:
WB, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

84225-2-PBS targets VDAC2 as part of a matched antibody pair:

MP01162-1: 84225-2-PBS capture and 84225-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

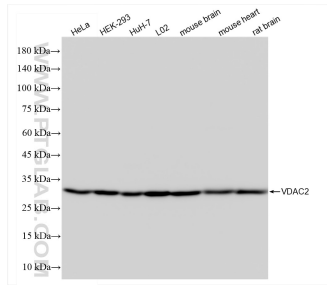
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

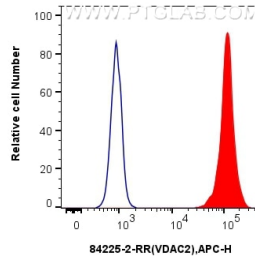
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

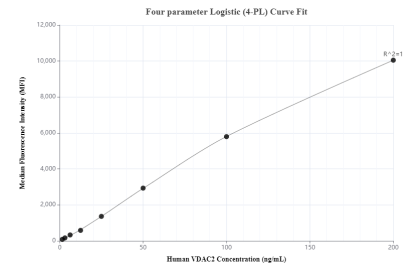
Selected Validation Data



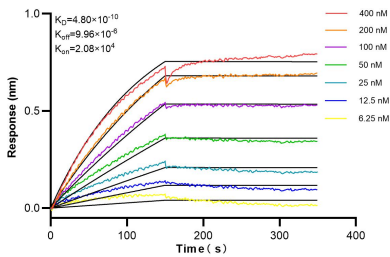
Various lysates were subjected to SDS PAGE followed by western blot with 84225-2-RR (VDAC2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84225-2-PBS in a different storage buffer formulation.



1x10⁶ 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). This data was developed using the same antibody clone with 84225-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01162-1, VDAC2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84225-2-PBS. Detection antibody: 84225-1-PBS. Standard: Ag2266. Range: 1.563-200 ng/mL.



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