## For Research Use Only

## VDAC1/Porin Recombinant antibody

Catalog Number:81538-1-RR 3 Publications

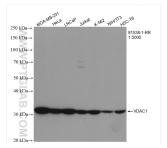


Basic Information	Catalog Number: 81538-1-RR	GenBank Accession Number: NM_003374	Purification Method: Protein A purification	
	Size:	GenelD (NCBI):	CloneNo.:	
	100ul , Concentration: 500 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG		2F4	
		UNIPROT ID:	Recommended Dilutions:	
		P21796	WB 1:2000-1:10000	
		Full Name:	IHC 1:500-1:2000	
		voltage-dependent anion channel 1	IF-P 1:50-1:500	
		Calculated MW: 31 kDa		
		Observed MW: 31 kDa		
Applications	Tested Applications:	Positive Controls:		
	Cited Applications: cells, K-5		-MB-231 cells, HeLa cells, LNCaP cells, Jurkat 52 cells, NIH/3T3 cells, HSC-T6 cells	
	WB, IP	IHC : mouse l	iver tissue,	
	Species Specificity: human, mouse, rat	IF-P : human	liver tissue,	
	Cited Species: mouse, rat			
	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	buffer pH 6.0 VDAC1, also named as VDAC, poring mitochondrial porin family. It adopts conformation at potentials above 30 the plasma membrane. Unlike other diffusion. Studies have shown that V apparent molecular weight of VDAC	<b>Vith citrate</b> 51HM, porin 31HL and plasmalemmal p 5 an open conformation at low or zero r -40 mV, to form a channel through the membrane transport proteins, porins a DAC1 is subject to both phosphorylati 1 is 30-37 kDa (PMID: 14573604; 23754 C1 C-terminal to yield a 26-kDa trunca	membrane potential and a closed mitochondrial outer membrane and also ire large enough to allow passive on and acetylation (PMID: 23233904). The 4752; 25681439). Hypoxic conditions wer	
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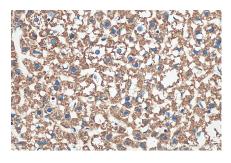
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E: proteintech@ptglab.com W: ptglab.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

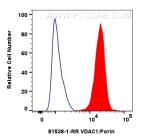
## Selected Validation Data



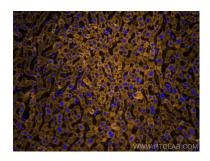
Various lysates were subjected to SDS PAGE followed by western blot with 81538-1-RR (VDAC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 81538-1-RR (VDAC 1/Porin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug VDAC 1/Porin Recombinant antibody (81538-1-RR, Clone:2F4) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using VDAC 1/Porin antibody (81538-1-RR, Clone: 2F4) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).