Datasheet for ABIN390564

anti-VDAC1 antibody (AA 95-124)

4 Images

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Overview

Quantity:	400 µL
Target:	VDAC1
Binding Specificity:	AA 95-124
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VDAC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This VDAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-124 amino acids from the Central region of human VDAC1.
Clone:	RB19925
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rb, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	VDAC1

Target Details

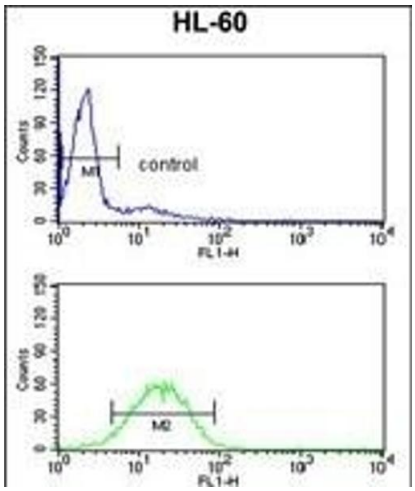
Alternative Name:	VDAC1 (VDAC1 Products)
Background:	VDAC1 forms a channel through the mitochondrial outer membrane and also the plasma membrane. The channel at the outer mitochondrial membrane allows diffusion of small hydrophilic molecules, in the plasma membrane it is involved in cell volume regulation and apoptosis. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective. The protein may participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis.
Molecular Weight:	30773
Gene ID:	7416
NCBI Accession:	NP_003365
UniProt:	P21796

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

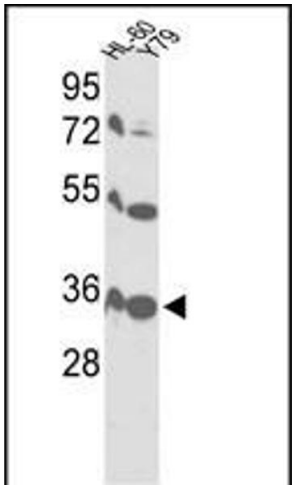
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



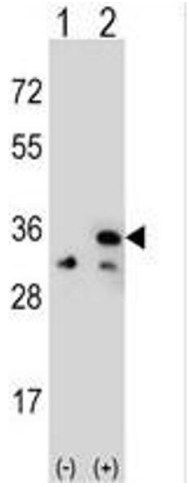
Flow Cytometry

Image 1. VDAC1 Antibody (Center) (ABIN390564 and ABIN2840894) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of VDAC1 Antibody (Center) (ABIN390564 and ABIN2840894) in HL-60, Y79 cell line lysates (35 µg/lane). VDAC1 (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of VDAC1 (arrow) using rabbit polyclonal VDAC1 Antibody (Center) (ABIN390564 and ABIN2840894). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the VDAC1 gene.

Please check the product details page for more images. Overall 4 images are available for ABIN390564.