Datasheet for ABIN1537893

anti-VDAC3 antibody (AA 156-183)

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Overview

Quantity:	400 µL
Target:	VDAC3
Binding Specificity:	AA 156-183
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VDAC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This VDAC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-183 amino acids from the Central region of human VDAC3.
Clone:	RB37017
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig, Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	VDAC3

Target Details

Alternative Name:	VDAC3 (VDAC3 Products)
Background:	VDAC3 belongs to a group of mitochondrial membrane channels involved in translocation of adenine nucleotides through the outer membrane. These channels may also function as a mitochondrial binding site for hexokinase (see HK1, MIM 142600) and glycerol kinase (GK, MIM 300474) (Rahmani et al., 1998).[supplied by OMIM].
Molecular Weight:	30659
Gene ID:	7419
NCBI Accession:	NP_001129166, NP_005653
UniProt:	Q9Y277

Application Details

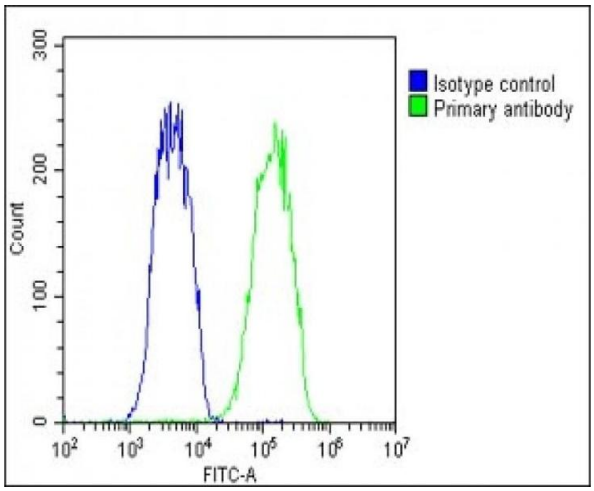
Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:100. IHC-P: 1:100. IHC-P-Leica: 1:500. FC: 1:25
Restrictions:	For Research Use only

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:	VDAC3 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months

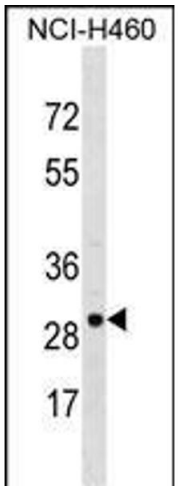
Publications

Product cited in:	Li, Wang, Xue, Pritchard, Wang: "Changes in the mitochondrial protein profile due to ROS eruption during ageing of elm (Ulmus pumila L.) seeds." in: **Plant physiology and biochemistry : PPB**, Vol. 114, pp. 72-87, (2017) (PubMed).



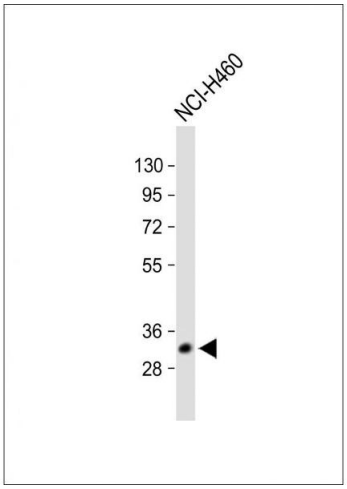
Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with (ABIN1537893 and ABIN2848739)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN1537893 and ABIN2848739), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. VDAC3 Antibody (Center) (ABIN1537893 and ABIN2848739) western blot analysis in NCI- cell line lysates (35 µg/lane).This demonstrates the VDAC3 antibody detected the VDAC3 protein (arrow).



Western Blotting

Image 3. All lanes : Anti-VDAC3 Antibody (Center) at 1:1000 dilution Lane 1: Human heart lysate Lane 2: NCI- whole cell lysate Lane 3: A431 whole cell lysate Lane 4: U-2OS whole cell lysate Lane 5: Mouse testis lysate Lane 6: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 7 images are available for ABIN1537893.