

Datasheet for ABIN2856954  
**anti-VDAC1 antibody**



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## Overview

Quantity:	100 µL
Target:	VDAC1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VDAC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human VDAC1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to VDAC1 (voltage-dependent anion channel 1) VDAC1 antibody [N1C2]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	VDAC1
Alternative Name:	voltage dependent anion channel 1 ( <a href="#">VDAC1 Products</a> )

## Target Details

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Molecular Weight: 31 kDa

Gene ID: 7416

UniProt: [P21796](#)

## Application Details

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Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: A431  
Validation: Orthogonal

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.35 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

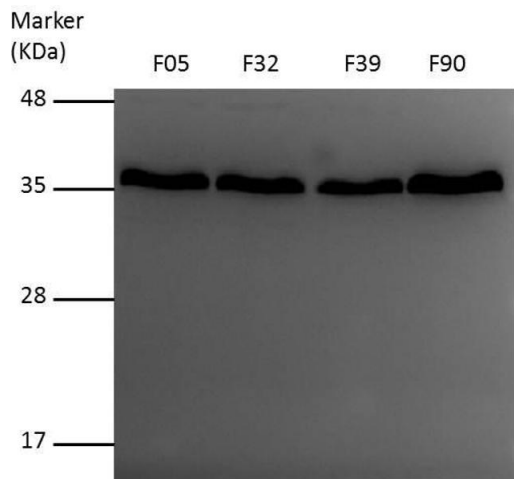
## Publications

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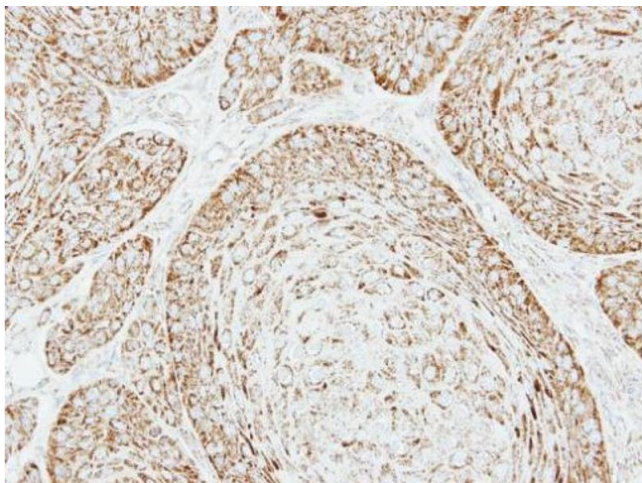
Product cited in: Ma, He, Ma, Jiang, Yan, Zhu, Bang, Li, Jia: "Silver Nanoparticle Exposure Causes Pulmonary Structural Damage and Mitochondrial Dynamic Imbalance in the Rat: Protective Effects of Sodium Selenite." in: **International journal of nanomedicine**, Vol. 15, pp. 633-645, (2020) ([PubMed](#)).

Chen, Zhao, Cai, Sun, Hu, Huang, Kong, Kong: "The role of sodium hydrosulfide in attenuating the aging process via PI3K/AKT and CaMKK $\beta$ /AMPK pathways." in: **Redox biology**, Vol. 12, pp.

## Images

**Western Blotting**

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: A431, 12% SDS PAGE VDAC1 antibody antibody diluted at 1:1000

**Immunohistochemistry**

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using VDAC1, antibody at 1:500 dilution.

**Immunohistochemistry**

**Image 3.** IHC-P Image VDAC1 antibody [N1C2] detects VDAC1 protein at mitochondria on mouse muscle by immunohistochemical analysis. Sample: Paraffin-embedded mouse muscle. VDAC1 antibody [N1C2], dilution: 1:500.