

Datasheet for ABIN2776182  
**anti-VDAC3 antibody (N-Term)**

5 Images

3 Publications

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## Overview

Quantity:	100 µL
Target:	VDAC3
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Dog, Goat, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VDAC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human VDAC3
Sequence:	KWNTDNTLGT EISWENKLA E GLKLTLDITF VPNTGKKSGK LKASYKRDCF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against VDAC3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	VDAC3
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## Target Details

Alternative Name:	VDAC3 ( <a href="#">VDAC3 Products</a> )
Background:	<p>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 and glycerol kinase.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]. Sequence Note: removed 1 base from the 5' end that did not align to the reference genome assembly. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1413 AF038962.1 2-1414</p> <p>Alias Symbols: HD-VDAC3, VDAC-3</p> <p>Protein Interaction Partner: UBC, RNF2, FBXO6, PARK2, env, ATF2, SCO2, VAPA, VAPB, LAMTOR3, SF1, VDAC2, VDAC1, UBA52, TKT, THY1, SCP2, PIN4, NDUFA7, ABCC1, EIF4A1, SERPINH1, ACAA1, Htt, TMEM256, MRPL53, SARNP, SRPRB, SUGP1, CDV3, RBM27, ATP6V1H, SBDS, YME1L1, SF3B4, PPIF, PQBP1, Tubb</p> <p>Protein Size: 283</p>
Molecular Weight:	31 kDa
Gene ID:	7419
NCBI Accession:	<a href="#">NM_005662</a> , <a href="#">NP_005653</a>
UniProt:	<a href="#">Q9Y277</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 283 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

## Handling

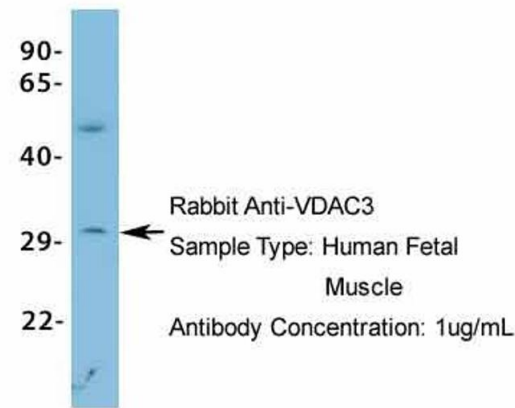
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Majumder, Cash, Fisk: "Non-Overlapping Distributions and Functions of the VDAC Family in Ciliogenesis." in: <b>Cells</b> , Vol. 4, Issue 3, pp. 331-53, (2015) ( <a href="#">PubMed</a> ).
	Majumder, Fisk: "VDAC3 and Mps1 negatively regulate ciliogenesis." in: <b>Cell cycle (Georgetown, Tex.)</b> , Vol. 12, Issue 5, pp. 849-58, (2013) ( <a href="#">PubMed</a> ).
	Majumder, Slabodnick, Pike, Marquardt, Fisk: "VDAC3 regulates centriole assembly by targeting Mps1 to centrosomes." in: <b>Cell cycle (Georgetown, Tex.)</b> , Vol. 11, Issue 19, pp. 3666-78, (2012) ( <a href="#">PubMed</a> ).

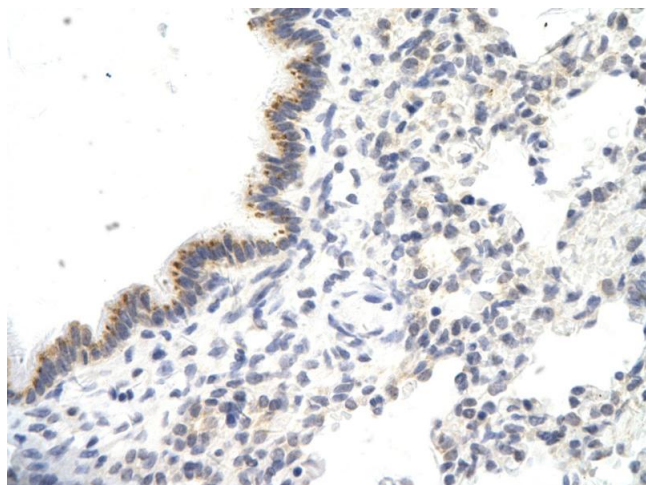
## Images

### VDAC3



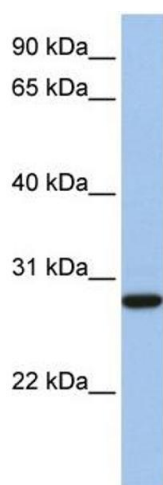
### Western Blotting

**Image 1.** Host: Rabbit Target Name: VDAC3 Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml



### Immunohistochemistry

**Image 2.** Rabbit Anti-VDAC3 antibody Catalog Number: ARP35180\_P050 Paraffin Embedded Tissue: Human Lung cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



### Western Blotting

**Image 3.** WB Suggested Anti-VDAC3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human heart

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2776182.