

## Product datasheet for **TA355737**

### VDAC1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human VDAC1
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish <b>Homology:</b> Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 86%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	31kDa
Gene Name:	voltage dependent anion channel 1
Database Link:	<a href="#">NP_003365</a> <a href="#">Entrez Gene 7416 Human</a> <a href="#">Q5FVE7</a>



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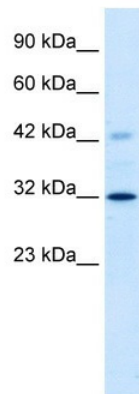
**Background:** The voltage-dependent anion-selective channel 1 (VDAC1) functions as a channel in membranous structures for the outer mitochondrial membrane, the cell membrane, endosomes, caveolae, the sarcoplasmic reticulum, synaptosomes, and post-synaptic density fraction. A major function of VDAC1 in the plasma membrane is that of a NADH(-ferricyanide) reductase that may be involved in the maintenance of cellular redox homeostasis.

**Synonyms:** hVDAC1; MGC111064; OTTHUMP00000159381; OTTHUMP00000165946; PORIN; PORIN-31-HL; VDAC; VDAC-1

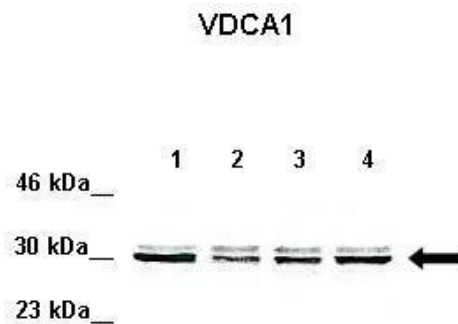
**Protein Families:** Ion Channels: Other

**Protein Pathways:** Calcium signaling pathway, Huntington's disease, Parkinson's disease

**Product images:**

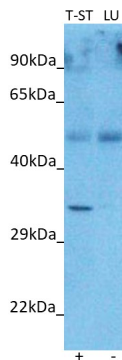


WB Suggested Anti-VDAC1 Antibody Titration: 1.25ug/ml  
 ELISA Titer: 1:312500  
 Positive Control: HepG2 cell lysate  
 VDAC1 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



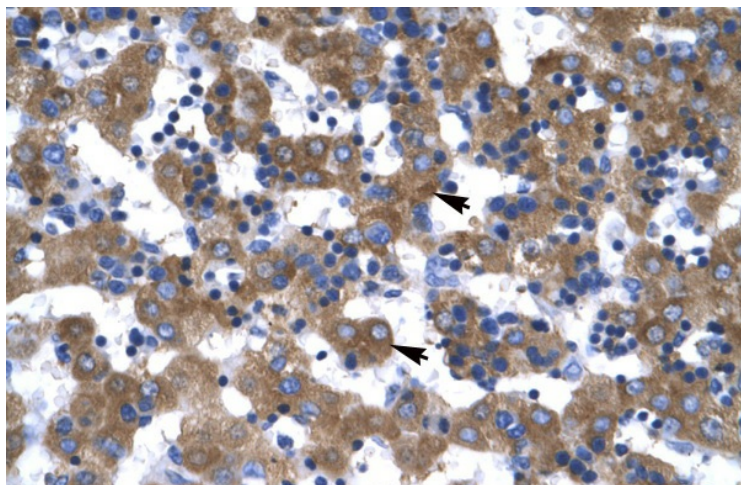
Lanes:  
 Lane 1: 50ug HeLa lysate  
 Lane 2: 50ug 293T lysate  
 Lane 3: 50ug K562 lysate  
 Lane 4: 50ug MDA-MB-231 lysate  
 Primary Antibody Dilution: 1:1000  
 Secondary Antibody: Anti-rabbit-HRP  
 Secondary Antibody Dilution: 1:1000  
 Gene Name: VDAC1  
 Submitted by: David Colecchia, Ph.D, Istituto Toscano Tumori, Core Research Laboratory, presso Fondazione Toscana Life Sciences

See Immunoblot 2 Data and Customer Feedback for more Information



Host: Rabbit  
 Target Name: VDAC1  
 Positive Control: ~25ug Human Stomach Tumor (T-ST)  
 Negative Control: ~25ug Human Lung (LU)  
 Antibody Concentration: 5ug/ml

Host: Rabbit  
 Target: VDAC1  
 Positive control (+): Human Stomach Tumor (T-ST)  
 Negative control (-): Human Lung (LU)  
 Antibody concentration: 5ug/ml



Rabbit Anti-VDAC1 Antibody  
 Catalog Number: ARP35122  
 Paraffin Embedded Tissue: Human Liver  
 Cellular Data: Hepatocytes  
 Antibody Concentration: 4.0-8.0 ug/ml  
 Magnification: 400X