

Rabbit VDAC1 Polyclonal Antibody | anti-VDAC1 antibody

VDAC1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197920	Rabbit	Tested Reactivity: Human Predicted Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish	Immunohistochemistry, Western Blot

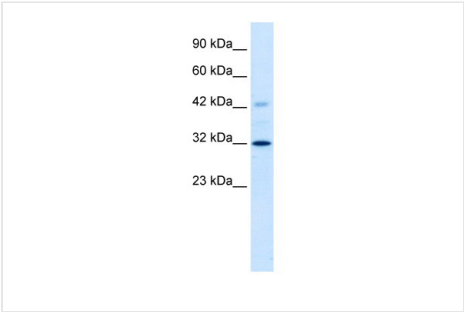
PRODUCT SYNONYMS

VDAC1; Polyclonal Antibody; VDAC1 antibody - C-terminal region; anti-VDAC1 antibody

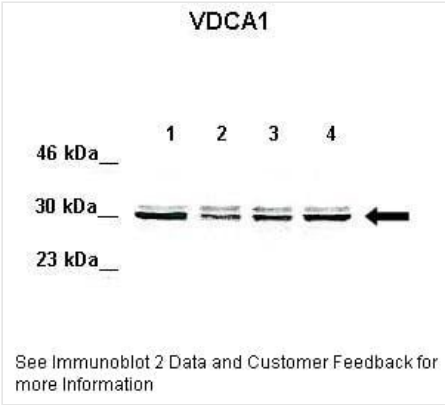
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Reactivity: Human Predicted Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Applicable Applications for anti-VDAC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Protein Size (# AA)	283 amino acids
Protein Interactions	UBC; KLHL40; SPRTN; MDM2; ADRB2; ASB14; ASB17; PARK2; BAG3; env; VCAM1; HK1; ATF2; FMNL1; TUBA1B; MDC1; CAV1; Htt; SFXN3; SUGP1; UBAP2; UFM1; ACAD9; MGAT4B; ACAA2; ZMPSTE24; VAPA; ALDH5A1; SF1; VDAC3; VDAC2; UBA52; TIAL1; FLOT2; CDK2; SIRT7; SUMO4; MAPK3;
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human VDAC1
Blocking Peptide	For anti-VDAC1 antibody
Replacement Item	This antibody may replace item sc-171785 from Santa Cruz Biotechnology.
Predicted Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 86%
Preparation and 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.

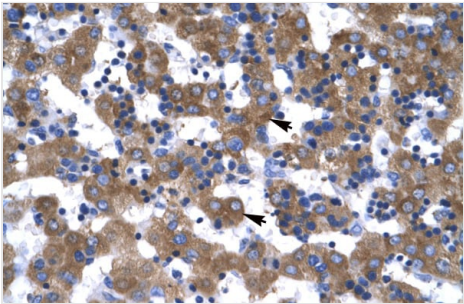
IMAGES



WB (Western Blot)
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



WB (Western Blot)
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



IHC (Immunohistochemistry)
Rabbit Anti-VDAC1 Antibody Paraffin Embedded Tissue: Human Liver Cellular Data: Hepatocytes Antibody Concentration: 4.0-8.0 ug/mL Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC1 antibody	This is a rabbit polyclonal antibody against VDAC1. It was validated on Western Blot and immunohistochemistry Target Description: 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.
Product Categories/Family for anti-VDAC1 antibody	Polyclonal; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507879
NCBI GeneID	7416
NCBI Accession #	NP_003365
NCBI GenBank Nucleotide #	NM_003374
UniProt Accession #	Q5FVE7; P21796
Molecular Weight	31kDa
NCBI Official Full Name	voltage-dependent anion-selective channel protein 1

NCBI Official Synonym Full Names	voltage dependent anion channel 1
NCBI Official Symbol	VDAC1
NCBI Official Synonym Symbols	PORIN; VDAC-1
NCBI Protein Information	voltage-dependent anion-selective channel protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vdac1-antibody-immunohistochemistry-western-blot-elisa/197920>