

VDAC1 Polyclonal Antibody | anti-VDAC1 antibody

VDAC1; VDAC; Voltage-dependent anion-selective channel protein 1; VDAC-1; hVDAC1; Outer mitochondrial membrane protein porin 1; Plasmalemmal porin; Porin 31HL; Porin 31HM

CATALOG #
AAA268031

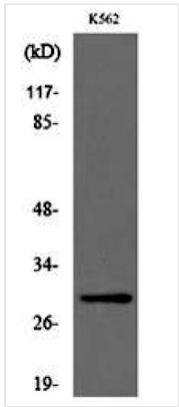
APPLICATIONS
ELISA, Western Blot

PRODUCT SYNONYMS

VDAC1; Polyclonal Antibody; VDAC; Voltage-dependent anion-selective channel protein 1; VDAC-1; hVDAC1; Outer mitochondrial membrane protein porin 1; Plasmalemmal porin; Porin 31HL; Porin 31HM; anti-VDAC1 antibody

PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Specificity	VDAC1 Polyclonal Antibody detects endogenous levels of VDAC1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	283
Applicable Applications for anti-VDAC1 antibody	ELISA, WB (Western Blot)
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human VDAC1. AA range:1-50
Conjugation	AF568
Source	Polyclonal, Rabbit
Subcellular Location	Nucleus, mitochondrion, mitochondrial outer membrane, mitochondrial inner membrane, plasma membrane, synaptic vesicle, membrane, integral component of membrane, mitochondrial nucleoid, myelin sheath, membrane raft.
Expression	B-cell, B-cell lymphoma, Brain, Cajal-Retzius cell, Epithelium. Western blot analysis of lysate from K562 cells, using VDAC1 Antibody.
Preparation and Storage	Store at -20°C for one year.



WB (Western Blot)
Western blot analysis of lysate from K562 cells, using VDAC1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC1 antibody	Background: Voltage dependent anion channel 1(VDAC1) Homo sapiens This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2 3, 6, 9, 12, X and Y.[provided by RefSeq, Sep 2010]. Function: Domain: Consists mainly of a membrane-spanning beta-barrel formed by 19 beta-strands. The helical N-terminus folds back into the pore opening and plays a role in voltage-gated channel activity.,function:Forms a channel through the mitochondrial outer membrane and also the plasma membrane. The channel at the outer mitochondrial membrane allows diffusion of small hydrophilic molecules; in the plasma membrane it is involved in cell volume regulation and apoptosis. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 0-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective. May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507879
NCBI GeneID	7416
NCBI Accession #	NP_003365.1
NCBI GenBank Nucleotide #	NM_003374.2
UniProt Accession #	P21796; Q5FVE7; Q9UIQ5; Q9UPL0; B3KVK4; D3DQ93
Molecular Weight	30,773 Da
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
UniProt Protein Name	Voltage-dependent anion-selective channel protein 1
UniProt Gene Name	VDAC1
UniProt Synonym Gene Names	VDAC; VDAC-1; hVDAC1

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-western-blot-elisa/268031>