

Rabbit VDAC1/Porin Polyclonal Antibody | anti-VDAC1 antibody

VDAC1/Porin Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28320	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

VDAC1/Porin; Polyclonal Antibody; VDAC1/Porin Rabbit pAb; PORIN; VDAC-1; VDAC1; anti-VDAC1 antibody

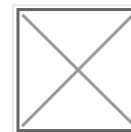
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MAVPPTYADL GKSARDVFTK GYGFLIKLD LKTKSENGLE FTSSGSANTE TTKVTGSLET KYRWTEYGLT FTEKWNTDNT LGTEITVEDQ LARGLKLTDF SSFSPNTGKK NAKIKTGYKR EHINLGCDMD FDIAGPSIRG ALVLGYEGWL AGYQMNFFETA KSRVTQSNFA VGYKTDEFQL HTNVNDGTEF GGSIIYQKVNK KLETAVNLAW TAGNSNTRFG IAAKYQIDPD ACFSAKVNNS SLIGLGYTQT LKPGIKLTLS ALLDGKNVNA GGHKLGLE FQA
Applicable Applications for anti-VDAC1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 Customer Validation: WB: Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-283 of human VDAC1/Porin (NP_003365.1).
Cellular Location	Cell membrane, Membrane raft, Mitochondrion outer membrane, Multi-pass membrane protein
Positive Samples	LO2, A-549, A-431, Raji, Rat heart, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of PC12 cells using VDAC1 / Porin antibody at dilution of 1:100.
Blue: DAPI for nuclear staining.


IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using VDAC1 / Porin antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human stomach using VDAC1 / Porin antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon carcinoma using VDAC1 / Porin antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat heart using VDAC1 / Porin antibody at dilution of 1:100 (40x lens).

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using VDAC1 / Porin antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC1 antibody	Background: 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.
Product Categories/Family for anti-VDAC1 antibody	Endocrine & Metabolism ; Mitochondrial metabolism ; Mitochondrial markers ; Research ; Endocrine & Metabolism ; Warburg Effect

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	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; porin 31HL; porin 31HM; plasmalemmal porin; outer mitochondrial membrane protein porin 1
UniProt Protein Name	Voltage-dependent anion-selective channel protein 1
UniProt Gene Name	VDAC1
UniProt Synonym Gene Names	VDAC; VDAC-1; hVDAC1
UniProt Entry Name	VDAC1_HUMAN

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.

