Rabbit VDAC1 Polyclonal Antibody | anti-VDAC1 antibody

VDAC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169781	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

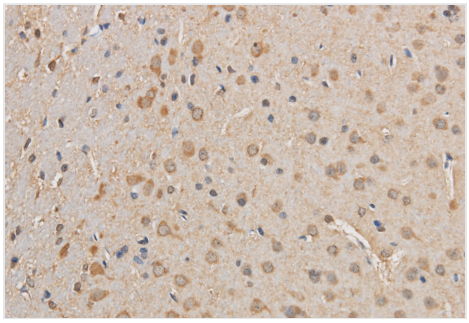
PRODUCT SYNONYMS

VDAC1; Polyclonal Antibody; VDAC1 Antibody; MGC111064; PORIN; PORIN-31-HL; anti-VDAC1 antibody

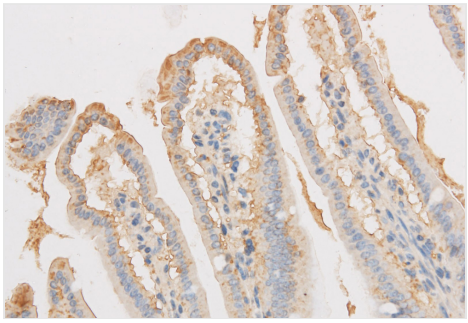
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	283
Applicable Applications for anti-VDAC1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human VDAC1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-32063 / sc-8828 / sc-32064
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Rat brain using VDAC1 Polyclonal Antibody at dilution of 1:50



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Mouse intestines using VDAC1 Polyclonal Antibody at dilution of 1:50

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC1 antibody	Voltage-dependent anion channel (VDAC), ubiquitously expressed and located in the outer mitochondrial membrane, is generally thought to be the primary means by which metabolites diffuse in and out of the mitochondria (1). In addition, this channel plays a role in apoptotic signaling. The change in mitochondrial permeability characteristic of apoptosis is mediated by Bcl-2 family proteins, which bind to VDAC, altering the channel kinetics (2). Homodimerization of VDAC may be a mechanism for changing mitochondrial permeability and supporting release of cytochrome c (3). In mammalian cells, there are three VDAC isoforms, VDAC1, which is the most widely expressed isoform, as well as VDAC2 and VDAC3 (4, 5).
Product Categories/Family for anti-VDAC1 antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507879
NCBI GeneID	7416
NCBI Accession #	NP_003365.1
NCBI GenBank Nucleotide #	NM_003374.2
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; outer mitochondrial membrane protein porin 1; plasmalemmal porin; porin 31HL; porin 31HM
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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/vdac1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/169781