

VDAC1 recombinant antibody

VDAC1 Antibody

CATALOG # AAA235598	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity-Chromatography
Form/Format	Liquid; In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	283
Applicable Applications for VDAC1 recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from human VDAC1
Conjugate	Non-Conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of CSB-RA025821A0HU diluted at 1:73.125 and staining in paraffin-embedded human cervical cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of CSB-RA025821A0HU diluted at 1:73.125 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, 293 whole cell lysate, Jurkat whole cell lysate, HL-60 whole cell lysate, LO2 whole cell lysate, Raji whole cell lysate, Rat heart tissue, Mouse brain tissueAll lanes: VDAC1 antibody at 0.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 31 KDaObserved band size: 31 KDa

ADDITIONAL INFORMATION

Related Product Information for VDAC1 recombinant antibody	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 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective (PubMed:11845315, PubMed:18755977, PubMed:20230784, PubMed:8420959). May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis (PubMed:15033708, PubMed:25296756).
Product Categories/Family for VDAC1 recombinant antibody	Recombinant Antibody; Tags & Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507879
NCBI GeneID	7416
NCBI Accession #	NP_003365.1
NCBI GenBank Nucleotide #	NM_003374.3
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.