Rabbit VDAC/Porin Polyclonal Antibody | anti-VDAC1 antibody

Anti-VDAC/Porin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45010	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot**

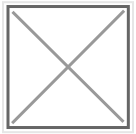
PRODUCT SYNONYMS

VDAC/Porin; Polyclonal Antibody; Anti-VDAC/Porin antibody; Voltage-dependent anion-selective channel protein 1(VDAC-1/hVDAC1); voltage-dependent anion channel 1; N2441 antibody; OMP2 antibody; POR1 antibody; hVDAC1 antibody; MGC111064 antibody; Mitochondrial Porin antibody; Outer mitochondrial membrane protein porin 1 antibody; Plasmalemmal porin antibody; Porin 31 HL antibody; Porin 31HL antibody; Porin 31HM antibody; VDAC 1 antibody; VDAC antibody; VDAC-1 antibody; VDAC1 antibody; VDAC1_HUMAN antibody; Voltage dependent anion channel 1 antibody; Voltage dependent anion selective channel protein 1 antibody; Voltage-dependent anion-selective channel protein 1 antibody; YNL055C antibody; YNL2441C antibody; anti-VDAC1 antibody

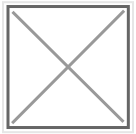
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	283
Applicable Applications for anti-VDAC1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human VDAC (163-178aa RVTQSNFAVGYKTDEF), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

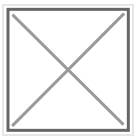
IMAGES



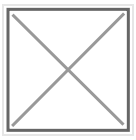
ICC (Immunocytochemistry)
Anti-VDAC/Porin antibody, AAA45010, ICCICC: NIH3T3 Cell



IHC (Immunohistochemisry)
Anti-VDAC/Porin antibody, AAA45010, IHC(P)IHC(P): Rat Skeletal Muscle Tissue



IHC (Immunohiostchemistry)
Anti-VDAC/Porin antibody, AAA45010, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



WB (Western Blot)
Anti-VDAC/Porin antibody, AAA45010, Western blottingAll lanes: Anti VDAC/Porin (AAA45010) at 0.5ug/mlLane 1: Rat Skeletal Muscle Tissue Lysate at 50ugLane 2: Rat Heart Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: A431 Whole Cell Lysate at 40ugLane 6: A549 Whole Cell Lysate at 40ugLane 7: SMMC Whole Cell Lysate at 40ugLane 8: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 31KDObserved bind size: 31KD

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC1 antibody	**Description:** Rabbit IgG polyclonal antibody for Voltage-dependent anion-selective channel protein 1(VDAC1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat. **Background:** The voltage-dependent anion channel(VDAC) of the outer mitochondrial membrane is a small, abundant outer membrane pore-forming protein found in the outer membranes of all eukaryotic mitochondria. The VDAC protein is though to form the major pathway for movement of adenine nucleotides through the outer membrane and to be the mitochondrial binding site for hexokinase and glycerol kinase. At low transmembrane voltage, VDAC is open for anions such as phosphate, chloride, and adenine nucleotides. At higher transmembrane voltage, VDAC functions as a selective channel for cations and uncharged molecules. These features make VDAC likely to play a role in mitochondrial energy metabolism. Huizing et al. studied by Northern and Western blot analyses the human tissue distribution of mitochondrial transmembrane metabolite carriers. They found that VDAC1 mRNA has a ubiquitous distribution, with most pronounced expression in heart, liver, and skeletal muscle, whereas the VDAC2 isoform appears to be expressed only in the heart.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130683
NCBI GeneID	7416
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/vdac-porin-antibody-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45010