

Mouse VDAC1 Monoclonal Antibody | anti-VDAC1 antibody

VDAC1 Monoclonal Antibody

CATALOG # AAA47871	HOST Mouse	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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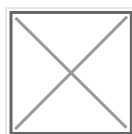
PRODUCT SYNONYMS

VDAC1; Monoclonal Antibody; VDAC1 Monoclonal Antibody; anti-VDAC1 antibody

PRODUCT SPECIFICATIONS

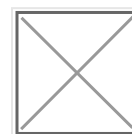
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Specificity	This antibody recognizes human, mouse and rat VDAC1. It does not cross-react with VDAC2 or VDAC3 (based on evaluation in knock-out mice).
Form/Format	100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.
Sequence Length	283
Applicable Applications for anti-VDAC1 antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Fusion protein corresponding to aa 1-283 (full-length) of human VDAC1. This sequence is 98% identical to mouse, 98% identical to rat, and >60% identical to VDAC2 and VCAC3.

IMAGES



Application Data

Detection of VDAC1 in neuroblastoma cell line SK-N-BE at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) VDAC1 stain.



Application Data

Detection of VDAC1 in rat brain lysates at 5ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC1 antibody	VDAC1 (also known as Voltage-dependent anion-selective channel protein 1 and outer mitochondrial membrane protein porin 1) is the outer mitochondrial membrane receptor for hexokinase and BCL2L1. VDAC1 forms a channel through the mitochondrial membrane and is involved in small molecule diffusion, cell volume regulation, and apoptosis. VDAC1 may participate in the formation of the permeability transition pore complex (PTPC) which is responsible for the release of mitochondrial products that trigger 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/monoclonal/vdac1-antibody-immunofluorescence-immunoblot-elisa/47871>