VDAC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VDAC2, Polyclonal Antibody
Full Product Name	VDAC2 Polyclonal Antibody
Product Gene Name	anti-VDAC2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	30kDa; 31kDa; 33kDa
OMIM	193245
3D Structure	ModBase 3D Structure for P45880
Immunogen	Recombinant protein of human VDAC2
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-VDAC2 antibody	Western Blot (WB)
Application Notes for anti-VDAC2 antibody	WB: 1:500-1:2000
Related Product Information for anti-VDAC2 antibody	This gene encodes a member of the voltage-dependent anion channel pore-forming family of proteins that are considered the main pathway for metabolite diffusion across the mitochondrial outer membrane. The encoded protein is also thought to be involved in the mitochondrial apoptotic pathway via regulation of BCL2-antagonist/killer 1 protein activity. Pseudogenes have been identified on chromosomes 1, 2, 12 and 21, and alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-VDAC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for VDAC2 purchase	MBS8570958 is an antibody targeting VDAC2. Also known as VDAC2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VDAC2. It may not necessarily be applicable to this product.

NCBI GI #	158518391
NCBI GeneID	7417
NCBI Accession #	P45880.2
UniProt Primary Accession #	P45880

UniProt Related Accession #	P45880
NCBI Official Full Name	Voltage-dependent anion-selective channel protein 2
NCBI Official Synonym Full Names	voltage dependent anion channel 2
NCBI Official Symbol	VDAC2
NCBI Official Synonym Symbols	POR
UniProt Protein Name	Voltage-dependent anion-selective channel protein 2
UniProt Synonym Protein Names	Outer mitochondrial membrane protein porin 2
Protein Family	Mitochondrial outer membrane protein porin
UniProt Gene Name	VDAC2
UniProt Synonym Gene Names	VDAC-2; hVDAC2
UniProt Entry Name	VDAC2_HUMAN
NCBI Protein Information	voltage-dependent anion-selective channel protein 2
UniProt Comments for VDAC2	VDAC2: Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules. The channel 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. Interacts with hexokinases. Expressed in all tissues examined. Belongs to the eukaryotic mitochondrial porin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Mitochondrial; Channel, misc. Chromosomal Location of Human Ortholog: 10q22 Cellular Component: pore complex; mitochondrial outer membrane; mitochondrion; mitochondrial inner membrane; nucleus Molecular Function: protein binding; nucleotide binding; voltage-gated anion channel activity; porin activity Biological Process: negative regulation of protein polymerization; transmembrane transport; anion transport
Research Articles on VDAC2	**1.** Study data support a role of VDAC2 as direct effector of ceramide-mediated cell death, providing a molecular framework for how ceramides exert their anti-neoplastic activity.
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