

产品名称: VDAC1 Rabbit Polyclonal Antibody
产品货号: AP Rab19758



产品概述 (Summary)

产品名称 (Production Name)	VDAC1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	VDAC1 VDAC1; VDAC; Voltage-dependent anion-selective channel protein 1; VDAC-1;
别名 (Alternative Names)	hVDAC1; Outer mitochondrial membrane protein porin 1; Plasmalemmal porin; Porin 31HL; Porin 31HM
基因 ID (Gene ID)	7416.0
蛋白 ID (SwissProt ID)	P21796.The antiserum was produced against synthesized peptide derived from the N-terminal region of human VDAC1. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	31kDa

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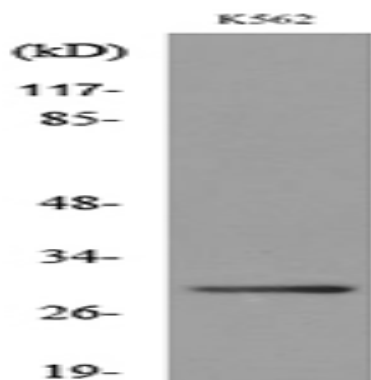
研究背景 (Background)

This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2, 3, 6, 9, 12, X and Y.[provided by RefSeq, Sep 2010], domain: Consists mainly of a membrane-spanning beta-barrel formed by 19 beta-strands. The helical N-terminus folds back into the pore opening and plays a role in voltage-gated channel activity., function: 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. May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis., similarity: Belongs to the eukaryotic mitochondrial porin family., subunit: Interacts with hexokinases (By similarity). Interacts with BCL2L1. Interacts with influenza A virus PB1-F2 protein., tissue specificity: Heart, liver and skeletal muscle.,

研究领域 (Research Area)

Calcium; Parkinson's disease; Huntington's disease;

图片 (Image Data)



Western blot analysis of lysate from K562 cells, using VDAC1 Antibody.

注意事项 (Note)

For research use only .