

VDAC-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251931

Unit: 0.1 mg

Description:

Voltage-dependent anion-selective channel protein 1 (VDAC-1) 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; whereas in the plasma membrane it is involved in cell volume regulation and apoptosis. VDAC-1 adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has weak anion selectivity whereas the closed state is cation-selective. VDAC-1 participates in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H

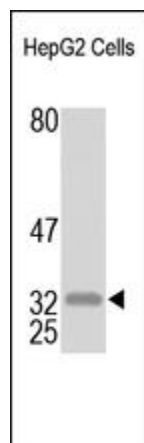
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Voltage-dependent anion-selective channel protein 1; VDAC-1; hVDAC1; Outer mitochondrial membrane protein porin 1; Plasmalemmal porin; Porin 31HL; Porin 31HM; VDAC1; VDAC

Accession No.: P21796

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human VDAC-1.

Application Notes: E: 1:10,000-1:50,000; WB: 1:100-1:500



The VDAC-1 Antibody is used in Western blot to detect VDAC-1 in HepG2 cell lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations:

For research use only, not for diagnostic or therapeutic procedures.