**Primary Antibody**

**bs-1461R**

VDAC1 Polyclonal Antibody

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**DATASHEET**

**Host:** Rabbit

**Target Protein:** VDAC

**Specificity:** May detect VDAC2 due to sequence similarity

**Immunogen:** 95-130/283

**Range:**

**Clonality:** Polyclonal

**Isotype:** IgG

**Entrez Gene:** 7416

**Swiss Prot:** P21796

**Source:** KLH conjugated synthetic peptide derived from human VDAC1

**Purification:** Purified by Protein A.

**Storage:** Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at -20°C for 12 months.

**Background:** 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.

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**PRODUCT SPECIFIC PUBLICATIONS**


Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti VDAC Polyclonal Antibody, Unconjugated (bs-1461R) at 1:200 followed by conjugation to the secondary antibody and DAB staining.