



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit Anti-Human VDAC1

Catalog No.
129-10672

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Synonyms: VDAC

Immunogen: A synthetic peptide corresponding to aa 185-197 of Human VDAC1.

Antiserum Preparation: Antiserum to human VDAC was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Specificity

129-10672 recognizes human Voltage-Dependent Anion Channel 1 (VDAC1), a 30.8 kDa protein involved with membrane permeability.

VDAC1 forms channels through both the mitochondrial outer membrane and the plasma membrane. Channels formed in the mitochondrial outer membrane allow diffusion of small hydrophobic molecules, while channels in the plasma membrane are connected with cell volume regulation and apoptosis.

Formulation

Product Type: Polyclonal Antibody

Product Form: Serum – liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.01% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology – Paraffin (1)	•			2.5ug/ml
ELISA	•			1/10000 - 1/40000
Western Blotting	•			1/500 - 1/2000

Note: Other applications are not tested yet. Optimal dilutions should be determined.

(1) This product requires antigen retrieval using heat treatment for 20 minutes prior to staining of paraffin sections. 0.01 M sodium citrate buffer, pH 6.0 is recommended for this purpose. Histology Positive Control Tissue: Human liver

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

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