

DATASHEET

Version: 2016-08-17

VDAC1 Antibody, pAb, Rabbit

Cat. No.: A01419-40

Size: 40 µg

Synonyms: Rabbit Anti-VDAC1 pAb;

Description:

Voltage dependent anion selective channel protein 1 (also known as VDAC1 or mitochondrial Porin) is the predominant protein in the outer mitochondrial membrane. VDAC1 is predicted to have a beta-barrel structure and consist of either 13 or 16 membrane spanning strands. In particular, VDAC1 can function as an NADH ferricyanide reductase. It plays a vital role in modulating endostatin induced endothelial cell apoptosis. Its activity is regulated by Nek1 (NIMA related protein kinase 1) through phosphorylation of VDAC1 protein on serine 193.

GenScript **Rabbit Anti-VDAC1 Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide within residues 150-200 of human VDAC1 (Swiss Prot: P21796).

Immunogen: KLH-coupled synthetic peptide within residues 150-200 of human VDAC1 (Swiss Prot: P21796).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-VDAC1 Polyclonal

Antibody detects endogenous levels of human, mouse and rat VDAC1.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Other Applications: user-optimized

Species Reactivity: Human, mouse, and rat. This product has not been tested with other species yet.

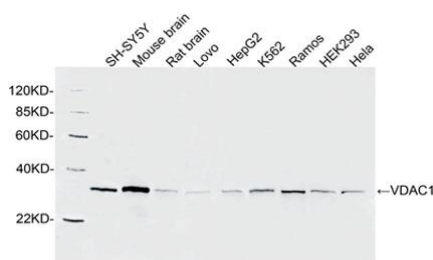
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of cell and tissue lysates using 1 µg/ml Rabbit Anti-VDAC1 Polyclonal Antibody (GenScript, A01419). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 31 KD
Observed Size: 31 KD