



# VDAC1 rabbit pAb

Cat No.:ES4120

For research use only

## Overview

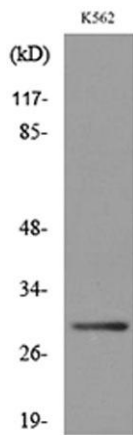
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|---------------------------------|--|
| <b>Product Name</b>             | VDAC1 rabbit pAb   |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from the N-terminal region of human VDAC1. AA range:1-50  |
| <b>Specificity</b>              | VDAC1 Polyclonal Antibody detects endogenous levels of VDAC1 protein.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Voltage-dependent anion-selective channel protein 1  |
| <b>Gene Name</b>                | VDAC1  |
| <b>Cellular localization</b>    | Mitochondrion outer membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Membrane raft ; Multi-pass membrane protein .                   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 31kD   |
| <b>Human Gene ID</b>            | 7416   |
| <b>Human Swiss-Prot Number</b>  | P21796   |
| <b>Alternative Names</b>        | VDAC1; VDAC; Voltage-dependent anion-selective channel protein 1; VDAC-1; hVDAC1; Outer mitochondrial membrane protein porin 1; Plasmalemmal porin; Porin 31HL; Porin 31HM |





## 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],



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

