# Datasheet: VPA00673

**BATCH NUMBER 161116**

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| **Description:** | RABBIT ANTI ATP5D |
| **Specificity:** | ATP5D |
| **Format:** | Purified |
| **Product Type:** | PrecisionAb Polyclonal |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 100 µl |

## Product Details

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|---|---|---|---|---|
| Western Blotting | ▪ | | | 1/1000 |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click here to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

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| **Target Species** | Human |
| **Species Cross Reactivity** | Reacts with: Mouse<br>**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. |
| **Product Form** | Purified IgG - liquid |
| **Preparation** | Rabbit polyclonal antibody purified by affinity chromatography |
| **Buffer Solution** | Phosphate buffered saline |
| **Preservative Stabilisers** | 0.09% Sodium Azide<br>2% Sucrose |

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| **Immunogen** | Synthetic peptide encompassing part of the middle region of human ATP5D |
| **External Database Links** | **UniProt:**<br>P30049 Related reagents<br><br>**Entrez Gene:**<br>513 ATP5D Related reagents |
| **Specificity** | **Rabbit anti Human ATP5D antibody** recognizes ATP synthase subunit delta, mitochondrial, also known as ATP synthase subunit delta mitochondrial, F-ATPase delta subunit, mitochondrial ATP synthase complex delta-subunit precusor, or mitochondrial ATP synthase, delta subunit.<br><br>ATP5D gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). ATP5D gene encodes the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified (provided by RefSeq, Jul 2008).<br><br>Rabbit anti Human ATP5D antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates. |
| **Western Blotting** | Rabbit anti ATP5D detects a band of approximately 17 kDa in MOLT-4 cell lysates |
| **Storage** | Store undiluted at -20$^{o}$C, avoiding repeated freeze thaw cycles. |
| **Guarantee** | 12 months from date of despatch |
| **Acknowledgements** | PrecisionAb is a trademark of Bio-Rad Laboratories |
| **Health And Safety Information** | Material Safety Datasheet documentation #10045 available at:<br>https://www.bio-rad-antibodies.com/SDS/VPA00673<br>Antibody (10045) |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) HRP

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|---|---|---|---|---|---|
| **North & South America** | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: antibody_sales_us@bio-rad.com | **Worldwide** | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: antibody_sales_uk@bio-rad.com | **Europe** | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: antibody_sales_de@bio-rad.com |

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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