

Datasheet: VPA00163

BATCH NUMBER 060315

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|----------------------|------------------------|
| Description: | GOAT ANTI NQO1 |
| Specificity: | NQO1 |
| 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 |
|---------------------|-----|----|----------------|--------------------|
| Immunoprecipitation | ▪ | | | |
| 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: Rat 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 | Goat polyclonal antibody purified by affinity chromatography. |
| Buffer Solution | TRIS buffered saline. |
| Preservative Stabilisers | 0.02% Sodium Azide (NaN ₃) 0.5% BSA |

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| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Synthetic peptide sequence C-SIPTDNQIKARK from the C terminus of NQO1 |
| External Database Links | <p>UniProt: P15559 Related reagents</p> <p>Entrez Gene: 1728 NQO1 Related reagents</p> |
| Synonyms | DIA4, NMOR1 |
| Specificity | <p>Goat anti Human NQO1 antibody recognizes NAD(P)H dehydrogenase [quinone] 1 (NQO1), also known as azoreductase, DT-diaphorase (DTD), menadione reductase, phyloquinone reductase and quinone reductase 1 (QR1).</p> <p>The NQO1 gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in NQO1 have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized (provided by RefSeq, Jul 2008).</p> <p>Goat anti Human NQO1 antibody detects a band of 29 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| Western Blotting | Anti NQO1 detects a band of approximately 29 kDa in A549 cell lysates. |
| Storage | Store undiluted at -20°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 | <p>Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/VPA00163 Antibody (10058)</p> |
| Regulatory | For research purposes only. |

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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