

## Datasheet: VPA00151

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | GOAT ANTI HR23B        |
| <b>Specificity:</b>  | HR23B                  |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Polyclonal |
| <b>Isotype:</b>      | Polyclonal IgG         |
| <b>Quantity:</b>     | 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](http://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.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Product Form</b>             | Purified IgG - liquid   |
| <b>Preparation</b>              | Goat polyclonal antibody purified by affinity chromatography.   |
| <b>Buffer Solution</b>          | Phosphate buffered saline.  |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> ).   |
| <b>Immunogen</b>                | Synthetic peptide corresponding to amino acids 163-176 of human HR23B   |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">P54727</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">5887</a>    RAD23B    <a href="#">Related reagents</a></p> |

|                    |   |
|--------------------|---|
| <b>Specificity</b> | <p><b>Goat anti Human HR23B antibody</b> recognizes HR23B also known as hHR23B and XP-C repair-complementing complex 58 kDa protein (p58).</p> <p>HR23B is one of two human homologs of <i>Saccharomyces cerevisiae</i> Rad23, a protein involved in the nucleotide excision repair (NER). This protein was found to be a component of the protein complex that specifically complements the NER defect of xeroderma pigmentosum group C (XP-c) cell extracts <i>in vitro</i>. HR23B has also been shown to interact with and elevate the nucleotide excision activity of 3-methyladenine-DNA glycosylase (MPG), which suggested a role in DNA damage recognition in base excision repair. It contains an N-terminal ubiquitin-like domain, which was reported to interact with 26S proteasome, and thus may be involved in the ubiquitin mediated proteolytic pathway in cells. Alternative splicing results in multiple transcript variants encoding distinct isoforms (provided by RefSeq, Sep 2011).</p> <p>Goat anti Human HR23B antibody detects a band of 58 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
|--------------------|---|

|                                      |  |
|--------------------------------------|--|
| <b>Western Blotting</b>              | Anti HR23B detects a band of approximately 58 kDa in LNCaP cell lysates.   |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.  |
| <b>Guarantee</b>                     | 12 months from date of despatch.   |
| <b>Acknowledgements</b>              | PrecisionAb is a trademark of Bio-Rad Laboratories.  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VPA00151">https://www.bio-rad-antibodies.com/SDS/VPA00151</a><br>Antibody (10040) |
| <b>Regulatory</b>                    | For research purposes only.  |

## Related Products

### Recommended Secondary Antibodies

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

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

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