

## Datasheet: VPA00006

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | RABBIT ANTI WRN          |
| <b>Specificity:</b>  | WRN                      |
| <b>Other names:</b>  | Werner Syndrome Helicase |
| <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             |

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

|                                 |                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Human                                                                                                                                                                               |
| <b>Product Form</b>             | Purified IgG - liquid                                                                                                                                                               |
| <b>Preparation</b>              | Rabbit polyclonal antibody purified by affinity chromatography                                                                                                                      |
| <b>Buffer Solution</b>          | TRIS-citrate/Phosphate buffered saline                                                                                                                                              |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                              |
| <b>Immunogen</b>                | Synthetic peptide corresponding to an epitope within amino acid residues 1400-1432 of human WRN                                                                                     |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">Q14191</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">7486</a>   WRN   <a href="#">Related reagents</a></p> |
| <b>Synonyms</b>                 | RECQ3, RECQL2                                                                                                                                                                       |

**Specificity**      **Rabbit anti Human WRN antibody** recognizes human Werner syndrome ATP-dependent helicase, also known as exonuclease WRN or DNA helicase, RecQ-like type 3. WRN is a 1432 amino acid member of the RecQ helicase subfamily containing single [HRDC](#), [helicase C-terminal](#), [helicase ATP-binding](#) and [3'-5' exonuclease](#) domains and is implicated in DNA double-strand break repairs, through interaction with Ku70/80 ([Li et al. 2004](#)).

Defects in the [WRN gene](#) are responsible for the rare autosomal recessive premature ageing disease known as Werner syndrome, characterised by age-related disorders including atherosclerosis, osteoporosis, non-insulin-dependent diabetes mellitus, ocular cataracts and cancer ([Huang et al. 2006](#)).

Rabbit anti Human WRN antibody recognizes human WRN as a single ~200 kDa band in HeLa cell line lysates by western blotting under reducing conditions.

|                                      |                                                                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Western Blotting</b>              | Anti WRN antibody detects a band of approximately 200 kDa in HeLa cell lysates.                                                                                                                                     |
| <b>Instructions For Use</b>          | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.                                       |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.                                                                                                                                                     |
| <b>Shelf Life</b>                    | As supplied, 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 #10064 available at:<br>Antibody (10064): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10064.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10064.pdf</a> |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                          |

## Related Products

### Recommended Secondary Antibodies

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

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
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