

## Datasheet: AHP1848

|                      |                                |
|----------------------|--------------------------------|
| <b>Description:</b>  | RABBIT ANTI HUMAN COLLAGEN III |
| <b>Specificity:</b>  | COLLAGEN III                   |
| <b>Format:</b>       | Purified                       |
| <b>Product Type:</b> | Polyclonal Antibody            |
| <b>Isotype:</b>      | Polyclonal IgG                 |
| <b>Quantity:</b>     | 50 µg                          |

### 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 |
|--------------------------------|-----|----|----------------|--------------------|
| Immunohistology - Paraffin (1) | ▪   |    |                | 2.5ug/ml           |
| ELISA                          | ▪   |    |                | 1/5000 - 1/10000   |
| Western Blotting (2)           | ▪   |    |                | 1/5000 - 1/10000   |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

**(2) This product is suitable for use in Western Blotting under non-reducing conditions.**

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Human  |
| <b>Species Cross Reactivity</b> | Based on sequence similarity, is expected to react with: Mammals<br><b>N.B.</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. |
| <b>Product Form</b>             | Purified IgG - liquid  |

**Antiserum Preparation** Antisera to human Collagen III were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.

|  |   |
|--|---|
| <b>Buffer Solution</b>                   | 0.02M Potassium Phosphate, 0.15M NaCl   |
| <b>Preservative Stabilisers</b>          | 0.01% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Approx. Protein Concentrations</b>    | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                         | Synthetic peptide corresponding to Human collagen III.  |
| <b>External Database Links</b>           | <p><b>UniProt:</b><br/> <a href="#">P02461</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">1281</a> COL3A1    <a href="#">Related reagents</a></p>  |
| <b>RRID</b>                              | AB_2260795  |
| <b>Specificity</b>                       | <p><b>Rabbit anti Human Collagen III antibody</b> recognizes human collagen III (COL3A1), a secreted protein of 1466 amino acids belonging to the fibrillar collagen family.</p> <p>Collagens are highly conserved across species and are vital in the formation of connective tissues. Collagen III is found in most soft connective tissues along with Collagen I.</p> <p>Defects in collagen III are associated with Ehlers-Danlos syndrome type 3 and type 4 and with abdominal aortic aneurysm (<a href="#">Treska et al. 2000</a>).</p> |
| <b>Histology Positive Control Tissue</b> | Human kidney  |
| <b>Storage</b>                           | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |
| <b>Guarantee</b>                         | 12 months from date of despatch   |
| <b>Health And Safety Information</b>     | Material Safety Datasheet documentation #20476 available at: 20476: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20476.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20476.pdf</a>   |
| <b>Regulatory</b>                        | For research purposes only  |

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

### Recommended Useful Reagents

HISTAR DETECTION SYSTEM (STAR3000A)  
100x ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)

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