

## 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 <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.

Buffer Solution	0.02M Potassium Phosphate, 0.15M NaCl
Preservative Stabilisers	<0.1% Sodium Azide (NaN <sub>3</sub> )
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide corresponding to Human collagen III.
External Database Links	<p><b>UniProt:</b>  <a href="#">P02461</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1281</a>    COL3A1    <a href="#">Related reagents</a></p>
RRID	AB_2260795
Specificity	<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 <i>et al.</i> 2000</a>).</p>
Histology Positive Control Tissue	Human kidney
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	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>
Regulatory	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

## Recommended Useful Reagents

### 100x ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 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 Fax: +44 (0)1865 852 739 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 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)

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