

Datasheet: 2150-1948

**BATCH NUMBER 157408**

<b>Description:</b>	RABBIT ANTI RAT 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 - Frozen	▪			1/20
Immunohistology - Paraffin	▪			
ELISA	▪			1/3000
Western Blotting			▪	
Immunofluorescence	▪			

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 the appropriate negative/positive controls.

### Target Species

Rat

### Product Form

Purified IgG - lyophilised

### Reconstitution

Reconstitute with 0.5 ml distilled water.

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

### Antiserum Preparation

Antiserum to rat collagen type III was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on immobilized rat collagen type III.

### Buffer Solution

0.15M Sodium Chloride  
0.01M Sodium Phosphate

<b>Preservative</b>	1% Mannitol
<b>Stabilisers</b>	1% Dextran
<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution
<b>Immunogen</b>	Collagen type III from rat tail tendon.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13941</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">84032</a> Col3a1    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_620500
<b>Specificity</b>	<p><b>Rabbit anti Rat Collagen III antibody</b> recognizes rat collagen type III, binding to both native and heat denatured collagen type III. This antibody is reactive with rat kidney, liver, skin and heart, but does not stain basement membranes.</p> <p>The antiserum was cross-absorbed with immobilized rat serum proteins.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Jones, H.B. <i>et al.</i> (2013) Quantitative histopathological assessment of retardation of islets of langerhans degeneration in rosiglitazone-dosed obese ZDF rats using combined insulin and collagens (I and III) immunohistochemistry with automated image analysis and statistical modeling. <a href="#">Toxicol Pathol. 41 (3): 425-44.</a></li> <li>2. Dankers P. Y.W. <i>et al.</i> (2015) Convenient formulation and application of a supramolecular ureido-pyrimidinone modified poly(ethylene glycol) carrier for intrarenal growth factor delivery <a href="#">European Polymer Journal. Jul 2 [Epub ahead of Print]</a></li> <li>3. Silva, L.A. <i>et al.</i> (2017) Collagen concentration on the facial skin of postmenopausal women after topical treatment with estradiol and genistein: a randomized double-blind controlled trial. <a href="#">Gynecol Endocrinol. 33 (11): 845-8.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20472 available at: <a href="https://www.bio-rad-antibodies.com/SDS/2150-1948">https://www.bio-rad-antibodies.com/SDS/2150-1948</a> 20472
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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