Datasheet: 2150-1948

BATCH NUMBER 155333

Description:	RABBIT ANTI RAT COLLAGEN III
Specificity:	COLLAGEN III
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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

Phosphate/Borate buffered saline.

Preservative

1% Mannitol

Stabilisers	1% Dextran
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
Immunogen	Collagen type III from rat tail tendon.
External Database Links	**UniProt:** P13941 Related reagents **Entrez Gene:** 84032 Col3a1 Related reagents
RRID	AB_620500
Specificity	**Rabbit anti Rat Collagen III antibody** 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. The antiserum was cross-absorbed with immobilized rat serum proteins.
References	1. Jones, H.B. *et al.* (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. Toxicol Pathol. 41 (3): 425-44. 2. Dankers P. Y.W. *et al.* (2015) Convenient formulation and application of a supramolecular ureido-pyrimidinone modified poly(ethylene glycol) carrier for intrarenal growth factor delivery European Polymer Journal. Jul 2 [Epub ahead of Print]
Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10325 available at: https://www.bio-rad-antibodies.com/SDS/2150-1948 10325
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...) RPE

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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

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