

Datasheet: 2150-1950

BATCH NUMBER 163245

Description:	RABBIT ANTI RAT COLLAGEN III
Specificity:	COLLAGEN III
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/250 - 1/1000
Immunohistology - Paraffin	▪			1/250 - 1/1000
ELISA	▪			1/100 - 1/400
Western Blotting			▪	
Immunofluorescence	▪			1/80
Radioimmunoassays	▪			1/25 - 1/100

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

Species Cross Reactivity

Reacts with: Mouse

N.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.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

0.1M Citrate

Preservative <0.1% Sodium Azide (NaN₃)
Stabilisers Antibiotic antimycotic mixture 1%

Immunogen Purified collagen III from rat skin.

External Database Links

UniProt:
[P13941](#) [Related reagents](#)

Entrez Gene:
[84032](#) Col3a1 [Related reagents](#)

RRID AB_620499

Specificity **Rabbit anti Rat Collagen III antibody** recognizes rat collagen type III, a fibrillar collagen found in extensible connective tissues such as skin, lung, and the vascular system, frequently in association with type I Collagen.

Rabbit anti Rat Collagen III antibody (**2150-1950**) shows less than 10% cross-reactivity with collagen type V and minimal reactivity with rat collagen type I and elastin.

References

1. Vialle-presles, M.J. *et al.* (1989) Immunohistochemical study of the biological fate of a subcutaneous bovine collagen implant in rat. [Histochemistry. 91 \(3\): 177-84.](#)
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 [Eur Polymer J. 72: 484-493.](#)
3. Oshita, T. *et al.* (2016) Adipose-Derived Stem Cells Improve Collagenase-Induced Tendinopathy in a Rat Model. [Am J Sports Med. 44 \(8\): 1983-9.](#)

Further Reading 1. Riser, B.L. *et al.* (1992) Intraglomerular pressure and mesangial stretching stimulate extracellular matrix formation in the rat. [J Clin Invest. 90 \(5\): 1932-43.](#)

Storage 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #20470 available at: <https://www.bio-rad-antibodies.com/SDS/2150-1950>
20470

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](#)

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

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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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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