

Datasheet: 2150-1950

BATCH NUMBER 160825

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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) Antibiotic antimycotic mixture 1%
Immunogen	Purified collagen III from rat skin.
External Database Links	<p>UniProt: P13941 Related reagents</p> <p>Entrez Gene: 84032 Col3a1 Related reagents</p>
RRID	AB_620499
Specificity	<p>Rabbit anti Rat Collagen III antibody recognises 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.</p> <p>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.</p>
References	<ol style="list-style-type: none"> Vialle-presles, M.J. <i>et al.</i> (1989) Immunohistochemical study of the biological fate of a subcutaneous bovine collagen implant in rat. Histochemistry. 91 (3): 177-84. 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 European Polymer Journal. 72: 484-493. Oshita, T. <i>et al.</i> (2016) Adipose-Derived Stem Cells Improve Collagenase-Induced Tendinopathy in a Rat Model. Am J Sports Med. 44 (8): 1983-9.
Further Reading	<ol style="list-style-type: none"> Riser, B.L. <i>et al.</i> (1992) Intraglomerular pressure and mesangial stretching stimulate extracellular matrix formation in the rat. J Clin Invest. 90 (5): 1932-43.
Storage	<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>
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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