



Datasheet: 2150-0510GA

BATCH NUMBER 160563

Description:	RABBIT ANTI BOVINE COLLAGEN I
Specificity:	COLLAGEN I
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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			
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

Bovine

Species Cross Reactivity

Reacts weakly with:Human

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
0.1M Citrate

Preservative	<0.1% Sodium Azide (NaN ₃)
Stabilisers	Antibiotic antimycotic mixture 1%
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml.
Immunogen	Purified collagen type I from bovine dermis.
External Database Links	<p>UniProt:</p> <p>P02453 Related reagents</p> <p>P02465 Related reagents</p> <p>Entrez Gene:</p> <p>282187 COL1A1 Related reagents</p> <p>282188 COL1A2 Related reagents</p>
RRID	AB_10851497
Specificity	<p>Rabbit anti Bovine collagen I antibody recognizes bovine collagen type I and cross reacts weakly with human collagen type I. Negligible reactivity has been observed with chicken collagen I, Bovine collagen II, IX and XI and bovine fibronectin.</p> <p>Collagen is located in the extracellular matrix of connective tissues. It is part of the interacting network of proteoglycans and proteins that provides a structural framework for both soft and calcified connective tissues. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis.</p>
References	1. Halwachs, S. <i>et al.</i> (2013) Fungicide prochloraz and environmental pollutant dioxin induce the ABCG2 transporter in bovine mammary epithelial cells by the arylhydrocarbon receptor signaling pathway. Toxicol Sci. 131 (2): 491-501.
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 #20470 available at: https://www.bio-rad-antibodies.com/SDS/2150-0510GA 20470
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

'M426733:240221'

Printed on 10 Mar 2025

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