

## Rabbit Anti Mouse Collagen I

#Cat: NB-47-00368-100UL    Size: 0.1ml

<b>Description:</b>	Rabbit Anti Mouse Collagen I
<b>Batch No</b>	161415
<b>Specificity:</b>	COLLAGEN I
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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.neo-biotech.com](http://www.neo-biotech.com)

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin				1/250 - 1/1000
ELISA				1/100 - 1/400
Western Blotting	▪			
Immunofluorescence	▪			1/50 - 1/100
Radioimmunoassays	▪			

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. NB-47-00368-100UL

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified Ig - liquid
<b>Preparation</b>	Purified Ig prepared by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline 0.1M Citrate

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<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	Antibiotic antimycotic mixture 1%

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<b>Immunogen</b>	Native type I collagen from mouse skin.
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## External Database

### Links

#### UniProt:

[P11087](#)

[Q01149](#)

#### Entrez Gene:

[12842](#) Col1a1

[12843](#) Col1a2

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<b>Synonyms</b>	Cola1, Cola2
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<b>Specificity</b>	<b>Rabbit anti Mouse Collagen I antibody</b> recognizes murine collagen 1. Collagen 1 is a fibrillar forming collagen, a secreted protein forming part of the extracellular matrix. Less than 1% cross reactivity has been observed with mouse collagen, types II, VI and III and human, chicken and rat collagen, type I.
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## References

1. Uezumi, A. *et al.* (2011) Fibrosis and adipogenesis originate from a common mesenchymal progenitor in skeletal muscle. [J Cell Sci. 124: 3654-64.](#)
2. Takase, H.M. *et al.* (2013) FGF7 is a functional niche signal required for stimulation of adult liver progenitor cells that support liver regeneration. [Genes Dev. 27: 169-81.](#)
3. Birbrair A *et al.* (2013) Type-1 pericytes participate in fibrous tissue deposition in aged skeletal muscle. [Am J Physiol Cell Physiol. 305 \(11\): C1098-113.](#)
4. Randles, M.J. *et al.* (2015) Genetic Background is a Key Determinant of Glomerular Extracellular Matrix Composition and Organization. [J Am Soc Nephrol. 26 \(12\): 3021-34.](#)
5. Ma, M.S. *et al.* (2017) Characterization and comparison of osteoblasts derived from mouse embryonic stem cells and induced pluripotent stem cells. [J Bone Miner Metab. 35\(1\): 21-30.](#)
6. Valero-Muñoz, V. *et al.* (2019) Supplementation with an insoluble fiber obtained from carob pod (*Ceratonia siliqua* L.) rich in polyphenols prevents dyslipidemia in rabbits through SIRT1/PGC-1 $\alpha$  pathway. [Eur J Nutr. 58 \(1\): 357-66.](#)
7. Riedel, A. *et al.* (2022) Tumor-Derived Lactic Acid Modulates Activation and Metabolic Status of Draining Lymph Node Stroma [Cancer Immunology Research. 10 \(4\): 482-97.](#)
8. Segreto, F. *et al.* (2024) Cathelicidin LL-37 Expression in Human Breast Implant Capsules. [Plast Reconstr Surg. 153 \(5\): 1066-73.](#)
9. Wada, S. *et al.* (2024) The histone H3K9 methyltransferase G9a regulates

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tendonformation during development. [Sci Rep. 14 \(1\): 20771.](#)

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**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 infrost-free freezers is not recommended.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation available at : [www.neo-biotech.com](http://www.neo-biotech.com) 20470

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (NB-47-05916, NB-47-05917, NB-47-05918) [Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (NB-47-05922) [HRP](#)

Sheep Anti Rabbit IgG (NB-47-06044) [RPE](#)