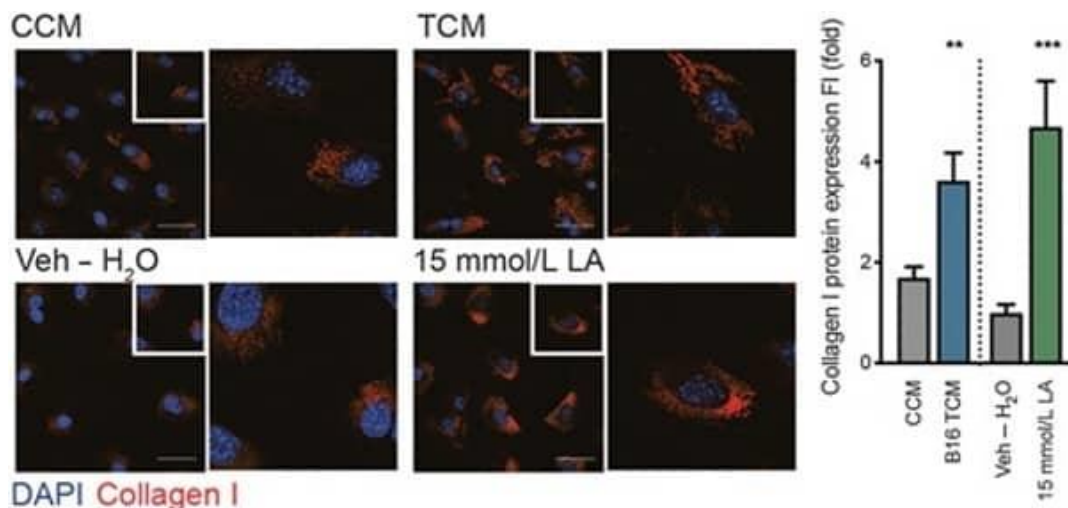


Rabbit Anti-Mouse COLLAGEN I

Cat # NB-47-00368-100UL

size: 100µl



DAPI Collagen I

Citation: Riedel A, Helal M, Pedro L, Swietlik JJ, Shorthouse D, Schmitz D, Haas L, Young D, da Costa ASH, Davidson S, Bhandare P, Wolf E, Hall BA, Frezza C, Oskarsson T, Shields JD.

Tumor-Derived Lactic Acid Modulates Activation and Metabolic Status of Draining Lymph Node Stroma.

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doi: 10.1158/2326-6066.CIR-21-0778



Confocal images of FRCs treated for 4 days with CCM, B16.F10 TCM, Veh- H₂O, or 15 mmol/L LA and stained for collagen I (red) and nuclei (blue; left) and quantification thereof (right). n=2 independent experiments each with 8 fields of view analyzed. Scale bar: 50µm. Data are mean with SEM. Significance (, P <0.05; , P <0.01; , P <0.001; and , P <0.0001) was determined by unpaired two-tailed t test. B16, B16.F10.

Description

Rabbit anti Mouse Collagen I antibody 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.

Product Information

Host:	Rabbit
Applications:	ELISA, Immunofluorescence, Immunohistology - Frozen, Immunohistology - Paraffin, Radioimmunoassays, WB
Reactivity:	Mouse
Clonality:	Polyclonal
Conjugation:	Unconjugated
Isotype:	Ig
Formulation:	PBS, <0.1% Sodium Azide (Na ₃ N) Antibiotic antimycotic mixture 1%
Purification:	Purified Ig prepared by affinity chromatography

Dilution Range:	ELISA	1/100-1/400
	Immunofluorescence	1/50-1/100
	Immunohistology - Paraffin	1/250-1/1000

Storage Instruction: 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.

Target

Protein Name:	Collagen 1
Uniprot ID:	P11087
Immunogen:	Native type I collagen from mouse skin.

References

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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. (2016) Characterization and comparison of osteoblasts derived from mouse embryonic stem cells and induced pluripotent stem cells. *J Bone Miner Metab.* Jan 8. [Epub ahead of print]
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7. Riedel, A. et al. (2022) Tumor-Derived Lactic Acid Modulates Activation and Metabolic Status of Draining Lymph Node Stroma Cancer Immunol Res. 10 Mar [Epub ahead of print].

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