

Product Datasheet

Collagen I alpha 1 Antibody NB600-1054

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Collagen I alpha 1 Antibody

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Chromatography
Buffer	Deionized water
Target Molecular Weight	138 kDa

Product Description

Host	Rabbit
Gene ID	1277
Gene Symbol	COL1A1
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 29364500). Cross-Reactivity (% @ RIA 1:200 Dilution): Mouse Collagen Type I 100%, Mouse Collagen Type III <1.0%, Mouse Collagen Type II, IV <0.1%, Human, Chicken, Rat Collagen Type I <0.1%
Specificity/Sensitivity	This Collagen I alpha 1 antibody is specific to Mouse Collagen Type I (100%) by RIA, and typically showed less than 1% reactivity against other types of mouse collagen types (II, III and IV).
Immunogen	This Collagen I alpha 1 antibody was raised against mouse collagen type I extracted and purified from mouse skin.

Product Application Details

Applications	ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Radioimmunoassay
Recommended Dilutions	ELISA 1:200, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:80, Immunohistochemistry-Paraffin 1:10-1:500, Radioimmunoassay 1:100-1:2000
Application Notes	0

Publications

Napolitano F, Di Iorio V, Testa F et al. Autosomal dominant myopia associated to a novel P4HA2 missense variant and defective collagen hydroxylation Clin. Genet. 2018-01-24 [PMID: 29364500] (Human)
Martinez-Outschoorn UE, Pavlides S, Whitaker-Menezes D et al. Tumor cells induce the cancer associated fibroblast phenotype via caveolin-1 degradation: implications for breast cancer and DCIS therapy with autophagy inhibitors. Cell Cycle. 2010-06-15 [PMID: 20562526] (ICC/IF, Human)
Blair-Levy JM, Watts CE, Fiorentino NM et al. A type I collagen defect leads to rapidly progressive osteoarthritis in a mouse model. Arthritis Rheum 2008-04-01 [PMID: 18383364] (IHC-P, Mouse)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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