

Product Datasheet

Collagen III alpha 1/COL3A1 Antibody (1E7-D7/Col3) [Biotin] NBP1-05119B

Unit Size: 0.1 ml

Store at 4C in the dark.

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Publications: 1

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NBP1-05119B

Collagen III alpha 1/COL3A1 Antibody (1E7-D7/Col3) [Biotin]

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 in the dark.
Clonality	Monoclonal
Clone	1E7-D7/Col3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Biotin
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	139 kDa
Product Description	
Host	Mouse
Gene ID	1281
Gene Symbol	COL3A1
Species	Human, Mouse, Rat, Canine, Kangaroo, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 26373929). Mouse reactivity reported in scientific literature (PMID: 30594070).
Specificity/Sensitivity	Highly specific for type III collagen. It has been shown to have no cross reactivity with type I and V collagens by ELISA and immunoblotting. There is no evidence for cross-reactivity with other connective tissue proteins (laminin, fibronectin, elastin).
Immunogen	This Collagen III alpha 1/COL3A1 Antibody (1E7-D7/Col3) was developed against acid-digested pepsin soluble human type III collagen
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	Optimal dilution of this antibody should be experimentally determined. IHC: NBP1-05119 has been used successfully for immunohistology on frozen unfixed sections of human (5) and kangaroo (6) skin, and of new dog tissue associated with biomaterial implants. (7, 8) If fixation of tissue is required, acetone or ethanol is recommended. (5, 6, 7, 8).



Publications

Boumil E, Castro N, Phillips A et al. USP10 targeted self-deliverable siRNA to prevent scarring in the cornea Nucleic Acids 2020-07-01 [PMID: 32829179] (IHC-Fr, Rabbit)

Details:

Citation using the Biotin format of this antibody.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-05119B

NBP2-29370	Streptavidin Native Protein
IC002B	Mouse IgG1 Isotype Control (11711) [Biotin]
NBP1-97267	Collagen III alpha 1/COL3A1 Native Protein
7754-BH-005/CF	TGF-beta 1 [Unconjugated]

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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