

Product Datasheet

Collagen IV alpha 1 Antibody

NB100-91716

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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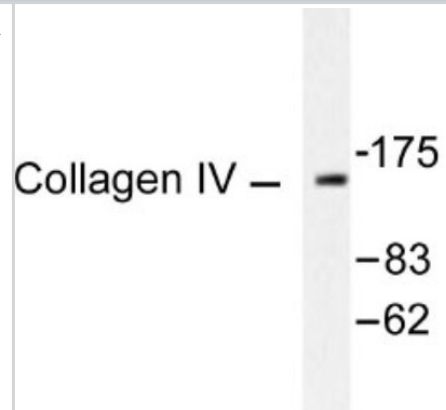
NB100-91716

Collagen IV alpha 1 Antibody

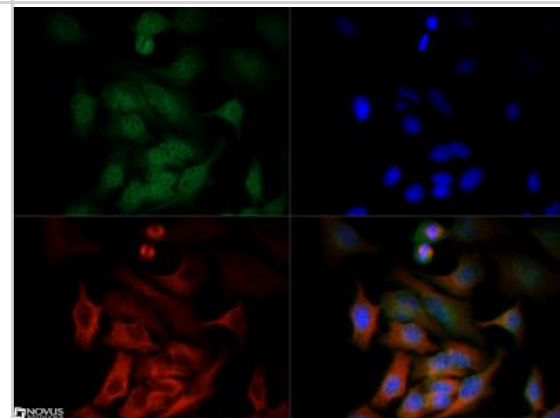
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	160 kDa
Product Description	
Host	Rabbit
Gene ID	1282
Gene Symbol	COL4A1
Species	Human, Mouse, Rat
Reactivity Notes	Human and Mouse, Rat
Immunogen	A synthetic peptide made to an internal portion of the human Collagen IV protein (between residues 100-200) [UniProt P02462]
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	<p>Western blot (WB) analysis of Collagen IV (G46) pAb in extracts from HeLa cell. Immunohistochemistry (IHC) analyzes of Collagen IV (G46) pAb in paraffin-embedded human breast carcinoma tissue. Reacts with Rat as reported in the literature (PMID 22413961)Immunocytochemistry/Immunofluorescence was reported in scientific literature.</p> <p>The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

Images

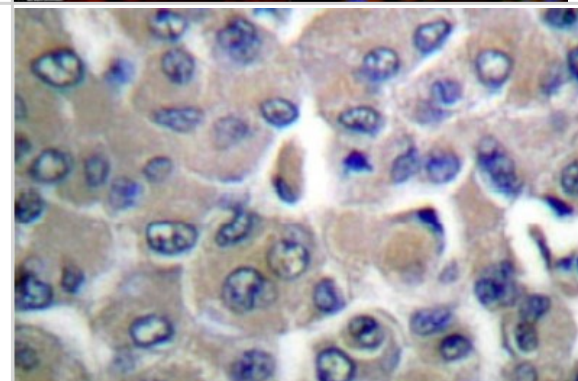
Western Blot: Collagen IV Antibody [NB100-91716] - Extracts from HeLa cell.



Immunocytochemistry/Immunofluorescence: Collagen IV Antibody [NB100-91716] - Collagen IV antibody was tested at 1:50 in MeOH fixed HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red). Image objective 40x.



Immunohistochemistry-Paraffin: Collagen IV Antibody [NB100-91716] - Paraffin-embedded human breast carcinoma tissue.



Publications

Chen SY, Lin JS, Lin HC et al. Dependence of fibroblast infiltration in tumor stroma on type IV collagen-initiated integrin signal through induction of platelet-derived growth factor *Biochim Biophys Acta*. 2015 May [PMID: 25686533]

Chen SY, Lin JS, Yang BC. Modulation of tumor cell stiffness and migration by type IV collagen through direct activation of integrin signaling pathway. *Arch. Biochem. Biophys*. 2014 May 10 [PMID: 24823860] (WB, Human, Mouse)

Lekawanvijit S, Kumfu S, Wang BH et al. The Uremic Toxin Adsorbent AST-120 Abrogates Cardiorenal Injury Following Myocardial Infarction. *PLoS One* 2013 Dec 13 [PMID: 24349545] (WB, Rat)

Surlin P, Rauten AM, Pirici D et al. Collagen IV and MMP-9 expression in hypertrophic gingiva during orthodontic treatment *Rom J Morphol Embryol* 2012 [PMID: 22395516] (IHC, ICC/IF, Human)

Liu J, Takase I, Hakucho A et al. Carvedilol Attenuates the Progression of Alcohol Fatty Liver Disease in Rat Alcoholism: Clinical and Experimental Research 2012 [PMID: 22413959] (WB, Rat)



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
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

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@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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