

Product Datasheet

Collagen III alpha 1/COL3A1 Antibody NBP2-15946

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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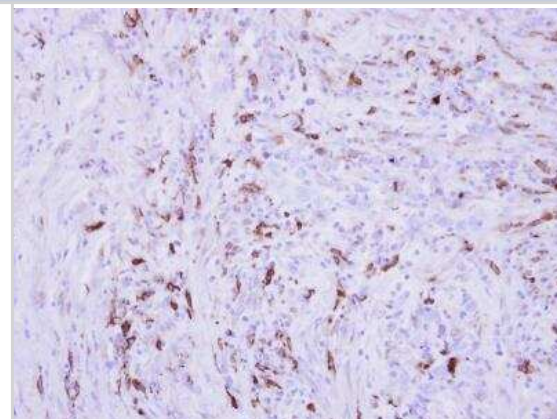
NBP2-15946

Collagen III alpha 1/COL3A1 Antibody

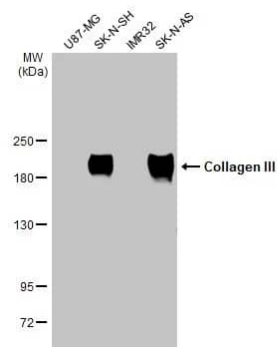
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol, 1% BSA
Target Molecular Weight	139 kDa
Product Description	
Host	Rabbit
Gene ID	1281
Gene Symbol	COL3A1
Species	Human, Rat
Reactivity Notes	Porcine reactivity reported in scientific literature (PMID: 28794502). Chicken (83%), Xenopus laevis (80%).
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human Collagen III alpha 1/COL3A1. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:3000, Immunohistochemistry 1:100 - 1:1000, Immunohistochemistry-Paraffin 1:100 - 1:1000, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 32345960)

Images

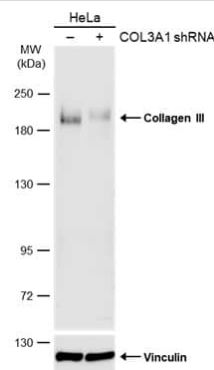
Immunohistochemistry-Paraffin: Collagen III alpha 1/COL3A1 Antibody [NBP2-15946] - Human PAPILLARY CA_STROMAL CELLS, using Collagen III antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: Collagen III alpha 1/COL3A1 Antibody [NBP2-15946] - Various extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Collagen III alpha 1/COL3A1 antibody [C2C3], C-term (NBP2-15946) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Collagen III alpha 1/COL3A1 Antibody [NBP2-15946] - Non-transfected (-) and transfected (+) HeLa whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Collagen III antibody [C2C3], C-term diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Luo J, Liu X, Liu J et al. Activation of TGF-beta1 by AQP3-Mediated H2O2 Transport into Fibroblasts of a Bleomycin-Induced Mouse Model of Scleroderma *Journal of Investigative Dermatology* 2016-07-22 [PMID: 27456753] (WB, WB, Mouse)

He X, Cheng R, Huang C, Takahashi Y A novel role of LRP5 in tubulointerstitial fibrosis through activating TGF-beta/Smad signaling *Signal Transduction and Targeted Therapy* 2020-01-01 [PMID: 32345960] (IHC-Fr, Mouse)

Gedik N, Kruger M, Thielmann M et al. Proteomics/phosphoproteomics of left ventricular biopsies from patients with surgical coronary revascularization and pigs with coronary occlusion/reperfusion: remote ischemic preconditioning *Sci Rep* 2017-08-09 [PMID: 28794502] (WB, Porcine)



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Products Related to NBP2-15946

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-97267	Collagen III alpha 1/COL3A1 Native Protein

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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