

Product Datasheet

Collagen XII alpha1 Antibody - BSA Free NBP1-88062

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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Reviews: 1 Publications: 5

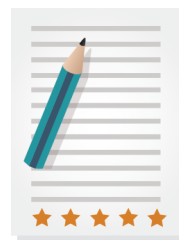
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Updated 2/21/2025 v.20.1

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NBP1-88062

Collagen XII alpha1 Antibody - BSA Free

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	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

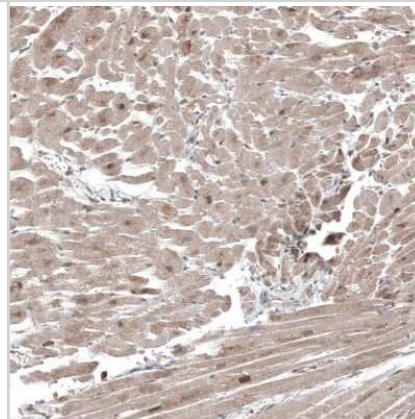
Product Description	
Host	Rabbit
Gene ID	1303
Gene Symbol	COL12A1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (86%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VTTPPNQRRRTLENLIPDTKYEVSUIPEYFSGPGTPLTGNAATEEVRGNPRDLR VSDPTTSTMKLSWSGAPGKVKQYLVITYTPVAGGETQEVTVRGDTTNTVLQGL KEGTQYALSVTALYASGAG

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	IHC-P, HIER pH6 retrieval is recommended.

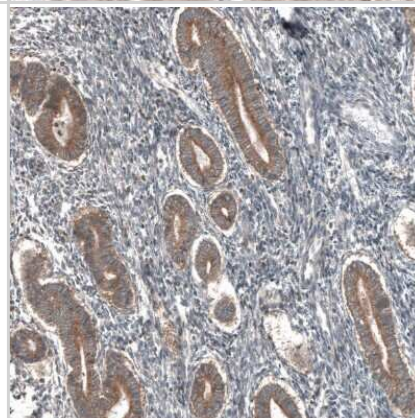


Images

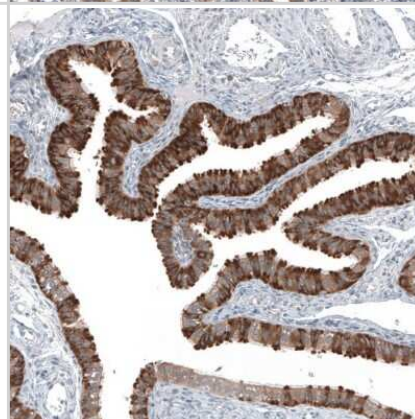
Immunohistochemistry-Paraffin: Collagen XII alpha1 Antibody [NBP1-88062] - Staining of human Heart muscle shows moderate cytoplasmic positivity in cardiomyocytes.



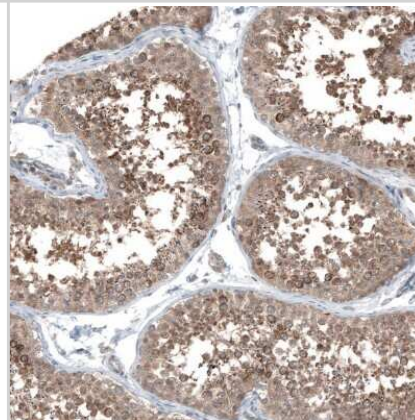
Immunohistochemistry-Paraffin: Collagen XII alpha1 Antibody [NBP1-88062] - Staining of human Endometrium shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Collagen XII alpha1 Antibody [NBP1-88062] - Staining of human Fallopian tube shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Collagen XII alpha1 Antibody [NBP1-88062] - Staining of human Testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



Publications

Endzhievskaya S, Hsu CK, Yang HS et al. Loss of RhoE function in dermatofibroma promotes disorganized dermal fibroblast extracellular matrix and increased integrin activation The Journal of investigative dermatology 2023-02-10 [PMID: 36774976] (WB, ICC/IF, Human)

Rigi M, Son HS, Moon L et al. Collagen type XII is undetectable in keratoconus Bowman's layer The British journal of ophthalmology 2023-02-06 [PMID: 36746614]

Mondragon E, Cowdin M, Taraballi F et al. Mimicking the Organic and Inorganic Composition of Anabolic Bone Enhances Human Mesenchymal Stem Cell Osteoinduction and Scaffold Mechanical Properties Front Bioeng Biotechnol 2020-07-03 [PMID: 32719790] (PCR, ICC/IF, Human)

McNeill EP, Zeitouni S, Pan S et al. Characterization of a pluripotent stem cell-derived matrix with powerful osteoregenerative capabilities Nat Commun 2020-06-15 [PMID: 32541821] (WB, ICC, Human)

Sears C, Mondragon E, Richards Zi et Al. Conditioning of 3D Printed Nanoengineered Ionic-Covalent Entanglement Scaffolds with iP-hMSCs Derived Matrix Adv Healthc Mater 2020-03-08 [PMID: 32147960]



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Products Related to NBP1-88062

NBP1-88062PEP	Collagen XII alpha1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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