

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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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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

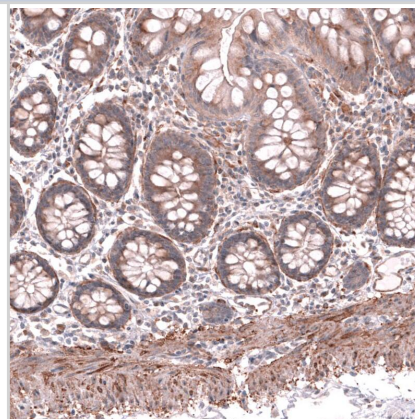
Product Description	
Description	Novus Biologicals Rabbit Collagen XII alpha1 Antibody - BSA Free (NBP1-88062) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Collagen XII alpha1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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: VTTPNQRRRTLENLIPDTKYEVSVIPEYFSGPGTPLTGNAATEEVRGNPRDLR VSDPTTSTMKLSWSGAPGKVKQYLVYTPVAGGETQEVTVRGDTTNTVLQGL KEGTQYALSVTALYASGAG

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

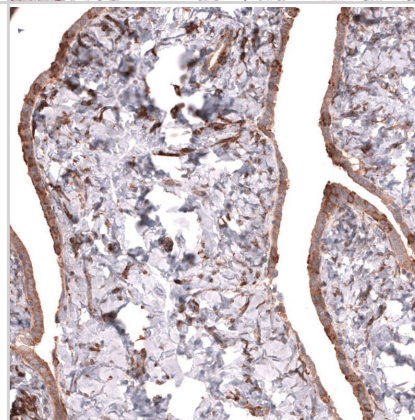


Images

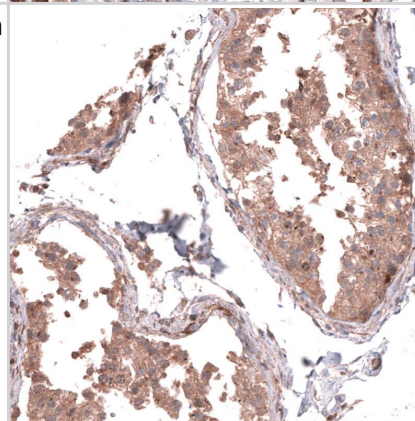
Staining of human colon shows moderate cytoplasmic positivity in smooth muscle and glandular cells.



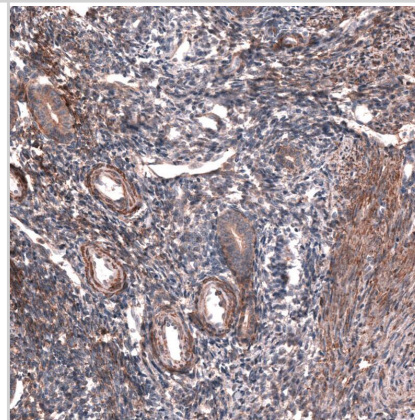
Staining of human fallopian tube shows moderate cytoplasmic positivity in glandular cells.



Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



Staining of human endometrium shows moderate cytoplasmic positivity in stromal cells.



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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