

Product Datasheet

Collagen VIII alpha 1 Antibody - BSA Free NBP2-13856

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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NBP2-13856

Collagen VIII alpha 1 Antibody - BSA Free

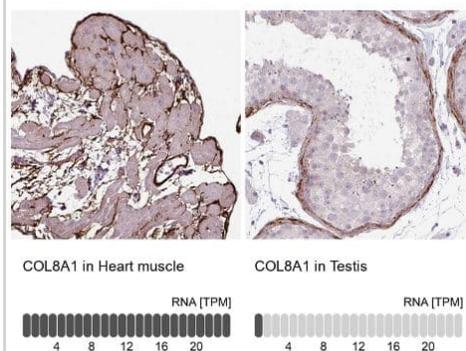
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	1295
Gene Symbol	COL8A1
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to the amino acids: QGEYLPDMGLGIDGVKPPHAYGAKKKGKNGGPAYEMPAFTAELTAPFPPVGAP VKFNKLLYNGRQYNPQ

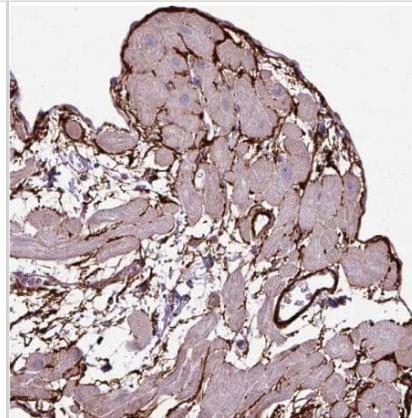
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

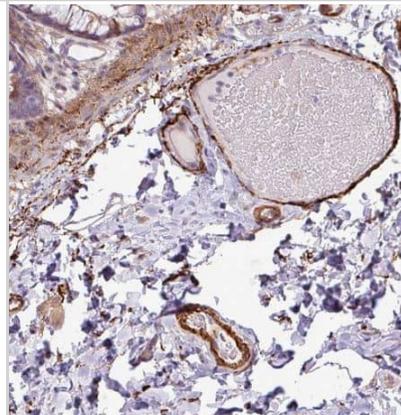
Analysis in human heart muscle and testis tissues using NBP2-13856 antibody. Corresponding COL8A1 RNA-seq data are presented for the same tissues.



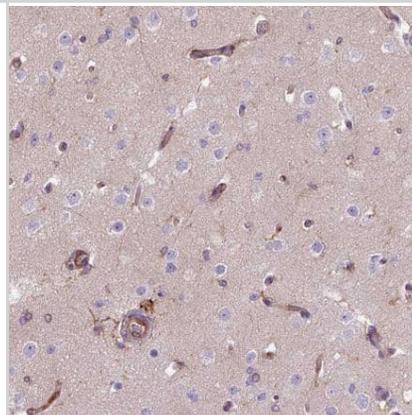
Staining of human heart muscle shows strong cytoplasmic positivity in endothelial cells and smooth muscles.



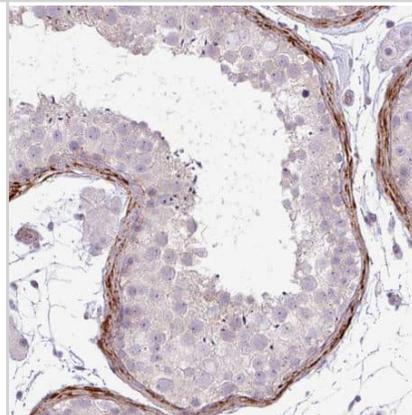
Staining of human colon shows strong cytoplasmic positivity in endothelial cells.



Staining of human cerebral cortex shows moderate cytoplasmic positivity in endothelial cells.



Staining of human testis shows strong cytoplasmic positivity in peritubular myoid cells.



Publications

Muhl L, Mocci G, Pietilä R et al. A single-cell transcriptomic inventory of murine smooth muscle cells *Developmental cell* 2022-10-24 [PMID: 36283392] (IF/IHC, Mouse)

Takeda H, Nagai S, Ikeda D et al. Collagen profiling of ligamentum flavum in patients with lumbar spinal canal stenosis *J Orthop Sci* 2020-08-01 [PMID: 32753253]



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Products Related to NBP2-13856

NBP2-13856PEP	Collagen VIII alpha 1 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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