

Product Datasheet

Collagen IV Antibody (IHC549)

NBP2-75982-0.1ml

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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Collagen IV Antibody (IHC549)

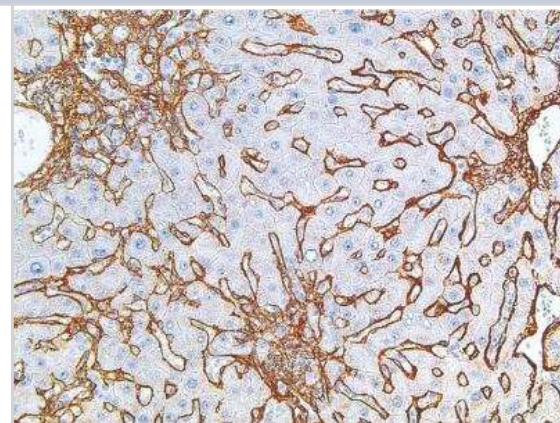
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	IHC549
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	Tris Buffer, pH 7.3 - 7.7, 1% BSA
Target Molecular Weight	160 kDa

Product Description	
Description	Novus Biologicals Mouse Collagen IV Antibody (IHC549) (NBP2-75982) is a monoclonal antibody validated for use in IHC. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1282
Gene Symbol	COL4A1
Species	Human
Immunogen	Human Placenta

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:100, Immunohistochemistry-Paraffin 1:50 - 1:100
Application Notes	Visualization of the antigen present in tissue sections is accomplished in a multi-step immunohistochemical staining process, in conjunction with a horseradish peroxidase (HRP) or alkaline phosphatase (AP) linked detection system. Positive control: Lung, Liver, Muscle.

Images

Immunohistochemistry-Paraffin: Collagen IV Antibody (IHC549) [NBP2-75982] - Staining of Collagen IV alpha 1 (IHC549) in liver.



Procedures

Immunohistochemistry protocol for Collagen IV alpha 1 Antibody (NBP2-75982)

Immunohistochemistry protocol for Collagen IV alpha 1 Antibody (NBP2-75982):

Immunohistochemistry Protocol

Specimen Collection and Preparation for Analysis

Each tissue section should be fixed with 10% neutral buffered formalin, cut to the applicable thickness (4um), and placed on a glass slide that is positively charged. The prepared slide may then be baked for a minimum of 30 minutes in a 53-65 degrees C oven (do not exceed 24 hours).

Recommended Staining Protocols

Manual Use:

1. Pretreatment: Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes.
2. Blocking: IF HRP is used, block with peroxidase blocking solution for 10 to 15 minutes at room temperature. Use alkaline phosphatase blocking solution if using an AP system.
3. Primary Antibody: Dilute antibody at 1:50-1:100 before applying. Incubate antibody for 30 to 60 minutes at room temperature or overnight at 4C.
4. Secondary Antibody: Incubate for 20 to 30 minutes at room temperature.
5. Substrate Development: Incubate DAB or Fast Red for 5 to 10 minutes at room temperature.
6. Counterstain: Counterstain with hematoxylin for 0.5 to 5 minutes, depending on the hematoxylin used. Rinse with distilled water and bluing solution for 30 seconds.
7. Dehydrate and apply coverslip.

For all automated IHC staining systems, refer to the corresponding user manual for specific instructions.





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Products Related to NBP2-75982-0.1ml

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-97245	Collagen IV 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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