

Product Datasheet

Cytokeratin 15 Antibody (ST04-85) NBP2-67525

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67525**Cytokeratin 15 Antibody (ST04-85)**

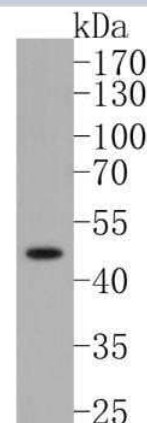
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ST04-85
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit Cytokeratin 15 Antibody (ST04-85) (NBP2-67525) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Cytokeratin 15 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3866
Gene Symbol	KRT15
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Cytokeratin 15 aa 410-455 / 456. (SwissProt: P19012 Human; SwissProt: Q61414 Mouse; SwissProt: Q6IFV3 Rat)

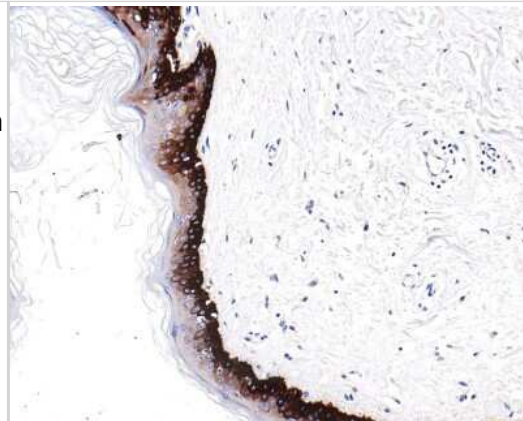
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:400-1:500, Immunohistochemistry-Paraffin 1:50-1:400
Application Notes	Use in ICC/IF reported in scientific literature (PMID:35664254) .

Images

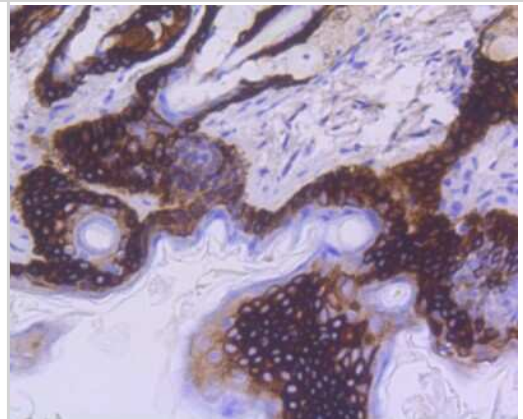
Western Blot: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Analysis of Cytokeratin 15 on A431 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



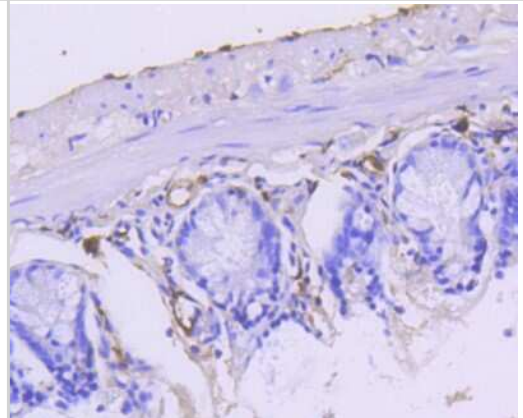
Immunohistochemistry-Paraffin: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Analysis of paraffin-embedded human skin tissue with Rabbit anti-Cytokeratin 15 antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



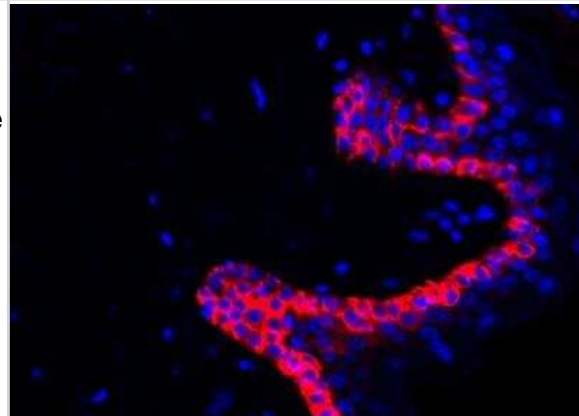
Immunohistochemistry-Paraffin: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Analysis of paraffin-embedded mouse skin tissue using anti-Cytokeratin 15 antibody. Counter stained with hematoxylin.



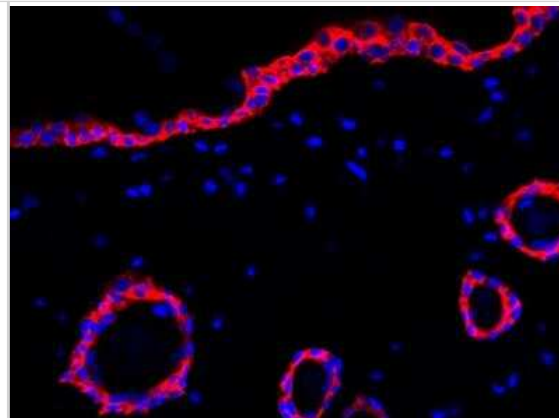
Immunohistochemistry-Paraffin: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Analysis of paraffin-embedded mouse small intestine tissue using anti-Cytokeratin 15 antibody. Counter stained with hematoxylin.



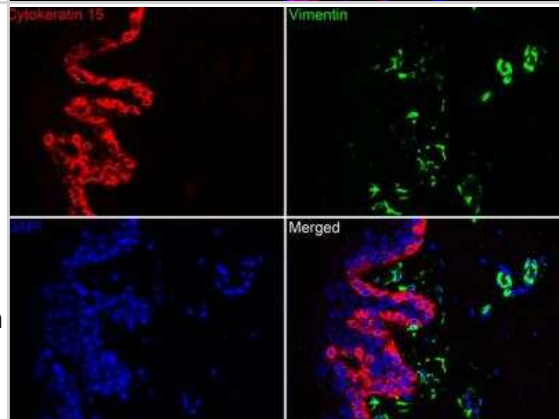
Immunohistochemistry-Paraffin: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Human skin tissue labeling Cytokeratin 15. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS. And then probed with the primary antibodies Cytokeratin 15 (red) at 1/500 dilution at +4c overnight, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 594, was used as the secondary antibodies at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry-Paraffin: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Rat skin tissue labeling Cytokeratin 15. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS. And then probed with the primary antibodies Cytokeratin 15 (red) at 1/500 dilution at +4? overnight, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 594,) was used as the secondary antibodies at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry-Paraffin: Cytokeratin 15 Antibody (ST04-85) [NBP2-67525] - Human skin tissue labeling Cytokeratin 15 and Vimentin. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS. And then probed with the primary antibodies Cytokeratin 15 (red) at 1/400 dilution and Vimentin (EM0401, green) at 1/400 dilution at +4c overnight, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 594, and Goat Anti-Mouse IgG H&L (iFluor™ 488,) were used as the secondary antibodies at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Publications

Odibeli C Nicotinamide Prevents Cytokine-Induced Epithelial-to-Mesenchymal Transition in an in-vitro Model of Corneal Scar Pathophysiology Thesis 2022-01-01

Eriksen A, Moller R, Markovoz B et al. Protocols for SARS-CoV-2 infection in primary ocular cells and eye organoids STAR Protocols 2022-04-01 [PMID: 35664254] (ICC/IF, Human)

Wu J, Crowe DL PARP5B is required for nonhomologous end joining during tumorigenesis in vivo Molecular carcinogenesis 2021-10-28 [PMID: 34710250]

Eriksen AZ, Moller R, Makovoz B et al. SARS-CoV-2 infects human adult donor eyes and hESC-derived ocular epithelium Cell stem cell 2021-05-17 [PMID: 34022129] (IF/IHC, Human)

Details:

Immunohistochemistry was performed using the Cytokeratin 15 antibody on post-mortem human ocular surface tissue. These immunofluorescent images a visual of the limbal region in SARS-CoV-2-positive cases.



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Products Related to NBP2-67525

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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