

Product Datasheet

Cytokeratin 5 Antibody (CL9297) - BSA Free NBP2-88923

Unit Size: 100 ul

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

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Updated 12/2/2025 v.20.1

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NBP2-88923**Cytokeratin 5 Antibody (CL9297) - BSA Free**

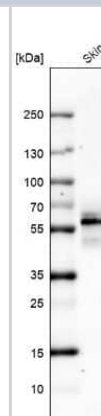
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL9297
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Mouse Cytokeratin 5 Antibody (CL9297) - BSA Free (NBP2-88923) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3852
Gene Symbol	KRT5
Species	Human
Immunogen	This antibody was developed using a synthetic peptide derived from P13647, with the exact immunogen sequence remaining proprietary.

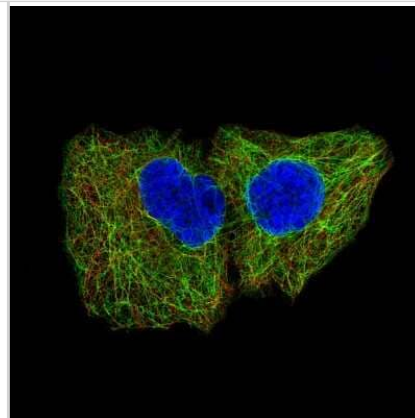
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For ICC/IF, PFA/Triton X-100 is recommended for fixation/permeabilization. For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

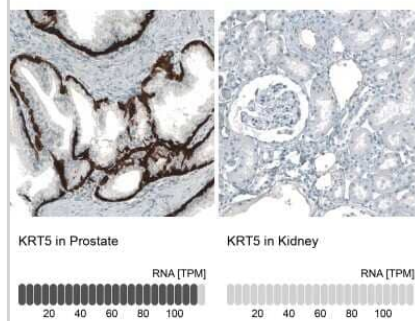
Western Blot: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Analysis in human skin tissue.



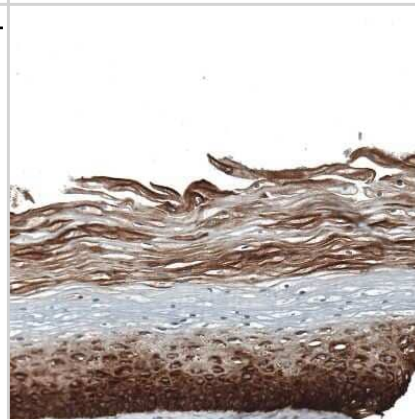
Immunocytochemistry/Immunofluorescence: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Staining of A-431 cells using the Anti-KRT5 monoclonal antibody, showing specific staining in intermediate filaments in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



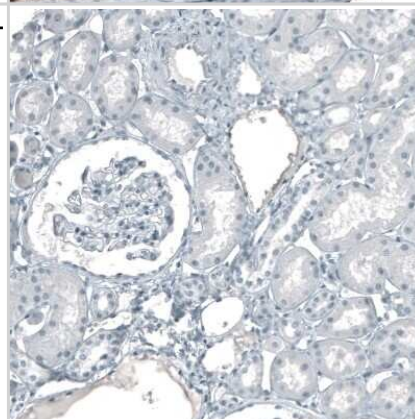
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Analysis in human prostate and kidney tissues using NBP2-88923 antibody. Corresponding KRT5 RNA-seq data are presented for the same tissues.



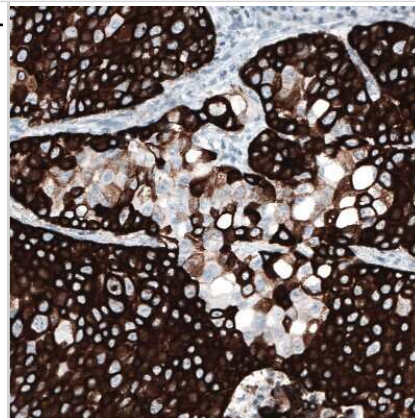
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Staining of human cervix shows moderate to strong cytoplasmic positivity in squamous epithelial cells.



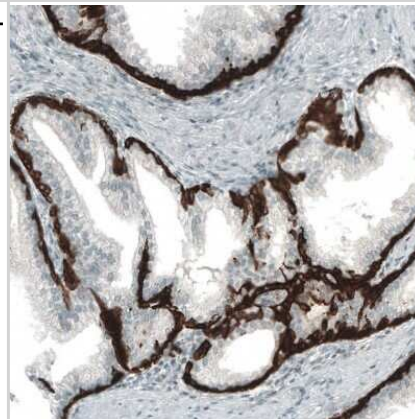
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Staining of human kidney shows no positivity in cells in tubules as expected.



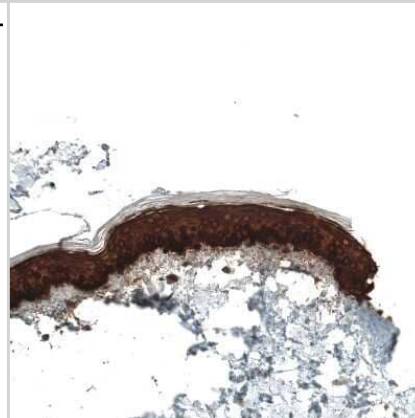
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Staining of human lung cancer, squamous cell carcinoma shows strong cytoplasmic positivity.



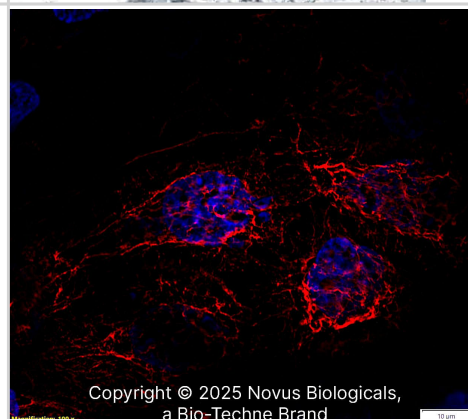
Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Staining of human prostate shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Cytokeratin 5 Antibody (CL9297) [NBP2-88923] - Staining of human skin shows strong cytoplasmic positivity in squamous epithelial cells.



Cytokeratin 5 (CL9297) was detected in immersion fixed A431 human skin carcinoma cell line using Mouse anti-Cytokeratin 5 (CL9297) Protein A Purified Monoclonal Antibody conjugated to DyLight 550 (Catalog # NBP2-88923) (red) at 2 $\mu\text{g}/\text{mL}$ overnight at 4C. Cells were counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.





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Products Related to NBP2-88923

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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