

# Product Datasheet

## Desmocollin-1 Antibody - BSA Free NBP1-88099

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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**NBP1-88099**

Desmocollin-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

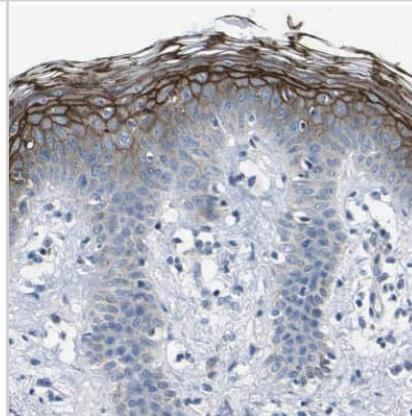
Product Description	
Description	Novus Biologicals Rabbit Desmocollin-1 Antibody - BSA Free (NBP1-88099) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-Desmocollin-1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1823
Gene Symbol	DSC1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SCTGTLVVHLDDYNDHAPQIDKEVTICQNNEDFAVLKPVDPDGPENGGPPFQFF LDNSASKNWNIEEKDGKTAILRQRQNLDYNYYSVPIQIKDRHGLVATHMLTVRV CDCSTPSECRMKDKSTR

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 31158401), Simple Western 1:60, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:60, apparent MW was 100 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

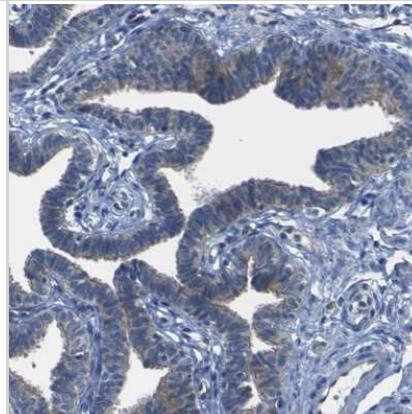


## Images

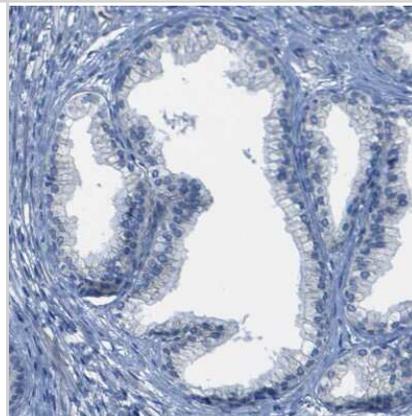
Immunohistochemistry-Paraffin: Desmocollin-1 Antibody [NBP1-88099] - Staining of human skin shows moderate to strong membranous positivity in epidermal cells.



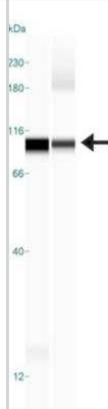
Immunohistochemistry-Paraffin: Desmocollin-1 Antibody [NBP1-88099] - Staining of human fallopian tube shows very weak membranous positivity in glandular cells.



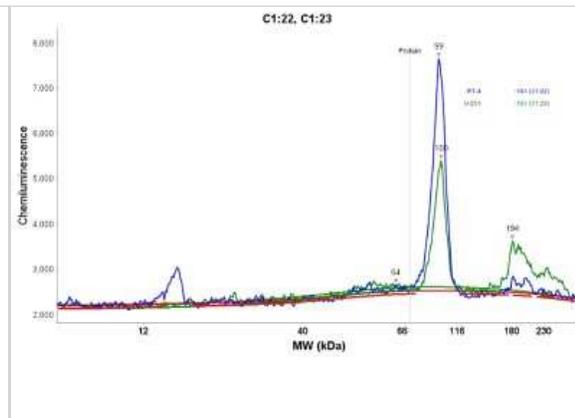
Immunohistochemistry-Paraffin: Desmocollin-1 Antibody [NBP1-88099] - Staining of human prostate shows no membranous positivity in glandular cells.



Simple Western: Desmocollin-1 Antibody [NBP1-88099] - Simple Western lane view shows a specific band for Desmocollin-1 in 0.5 mg/ml of RT-4 (Left) and U-251MG (Right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Desmocollin-1 Antibody [NBP1-88099] - Electropherogram image(s) of corresponding Simple Western lane view. Desmocollin-1 antibody was used at 1:60 dilution on RT-4 and U-251MG lysate(s).



## Publications

Choi HY, Ruel I, Genest J. Identification of Docetaxel as a Potential Drug to Promote HDL Biogenesis Frontiers in Pharmacology 2021-05-21 [PMID: 34093205]

Verkerk AJMH, Andrei D, Vermeer MCSC et al. Disruption of TUFT1, a Desmosome-Associated Protein, Causes Skin Fragility, Woolly Hair, and Palmoplantar Keratoderma The Journal of investigative dermatology 2023-09-15 [PMID: 37716648] (IHC-Fr, Human)

Miyazaki H, Tsunoi Y, Akagi T et al. EMSY expression affects multiple components of skin barrier with relevance to atopic dermatitis Journal of Allergy and Clinical Immunology 2019-05-01 [PMID: 31158401] (IF/IHC, WB, Human)

Min D, Lee W, Bae IH et al. Bioprinting of Biomimetic Skin containing Melanocytes. Exp. Dermatol. 2017-04-28 [PMID: 28453913] (Human)

Paavilainen L, Edvinsson A, Asplund A et al. The impact of tissue fixatives on morphology and antibody-based protein profiling in tissues and cells. J Histochem Cytochem 2010-03-01 [PMID: 19901271]



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### **Products Related to NBP1-88099**

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NBP1-88099PEP	Desmocollin-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

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### **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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