

# Product Datasheet

## Desmoglein-3 Antibody (5H10) - Azide and BSA Free NBP2-80695

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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**NBP2-80695**

Desmoglein-3 Antibody (5H10) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5H10
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	Tris-Glycine, 0.15 M NaCl
Target Molecular Weight	130 kDa

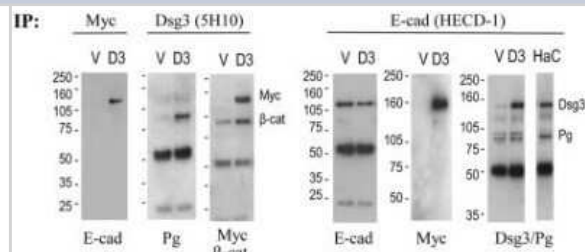
Product Description	
Description	Novus Biologicals Mouse Desmoglein-3 Antibody (5H10) - Azide and BSA Free (NBP1-78984) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1830
Gene Symbol	DSG3
Species	Human, Mouse
Immunogen	The extracellular domain of human Desmoglein 3 [Swiss-Prot# P32926]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Dot Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:200, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:200, Dot Blot reported in scientific literature (PMID 15588331)
Application Notes	In Western blot, a band can be seen at approximately 130 kDa.

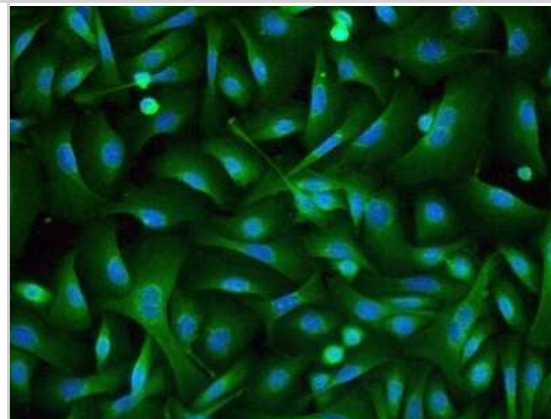


## Images

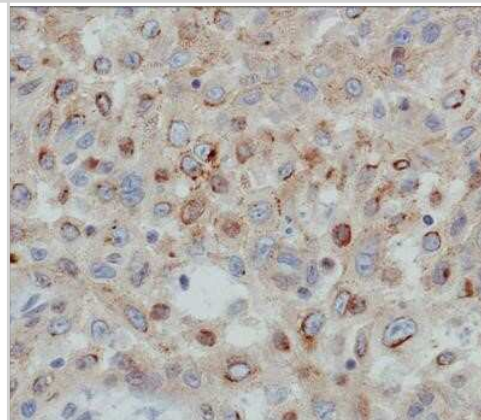
**Western Blot: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - Colocalisation of Dsg3 with E-cadherin-catenin complex.** Co-IPs demonstrated that both endogenous and exogenous Dsg3 interacted with the E-cadherin-catenin complex in A431 stable lines (the empty vector control (V) and hDsg3.myc (D3)) as well as in HaCaTs. When pulled down with antibodies against the myc tag or with a mouse Dsg3 Ab 5H10 and blotted for E-cadherin and beta-catenin, both proteins were detected in D3 and, to a lesser extent, in V. Conversely, when pulled down with E-cadherin Ab HECD-1 and blotted for Dsg3 or the myc tag and Pg, these proteins were detected in both V and D3 cells. Note that this result also was confirmed in HaCaTs (HaC) where Dsg3 was expressed endogenously (far right blot). Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0014211>), licensed under a CC-BY license. Image from the standard format of this antibody.



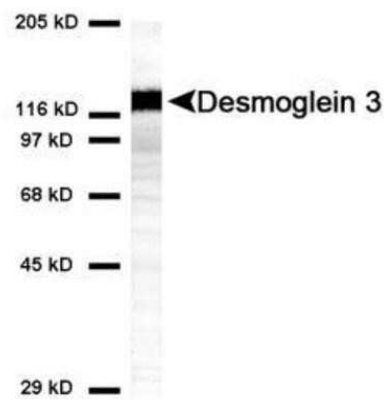
**Immunocytochemistry/Immunofluorescence: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695]** - The cultured primary mouse skin keratinocytes were stained at 1:150. The image shows the cytosolic staining. This image was submitted via customer review. Image from the standard format of this antibody.



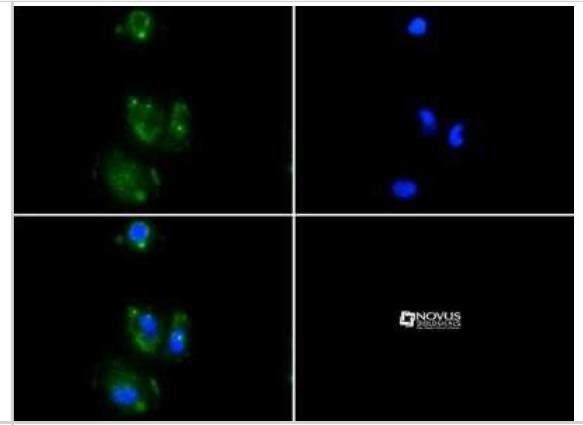
**Immunohistochemistry: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695]** - Analysis of Desmoglein 3 on human skin cancer using NBP1-78984. Image from the standard format of this antibody.



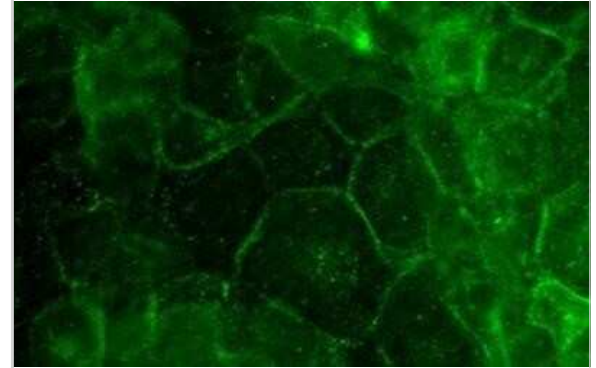
**Western Blot: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695]** - Analysis of Desmoglein 3 expression in HaCat cell lysate using NBP1-78984. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - Desmoglein 3 (5H10) antibody was tested in A431 cells with FITC (green). Nuclei were counterstained with Dapi (blue). Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - Desmoglein 3 (5H10) antibody was tested in oral HNSCC cells fixed with 1% formaldehyde permeabilized in 0.1% Triton X-100. Image from the standard format of this antibody.





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### **Products Related to NBP2-80695**

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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)

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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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