

# 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**

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

**Product Description**

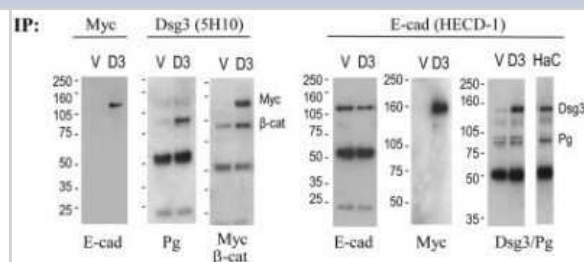
<b>Host</b>	Mouse
<b>Gene ID</b>	1830
<b>Gene Symbol</b>	DSG3
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	The extracellular domain of human Desmoglein 3 [Swiss-Prot# P32926]

**Product Application Details**

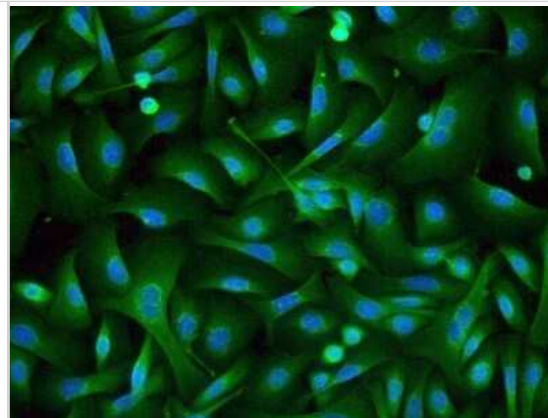
<b>Applications</b>	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation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

**Images**

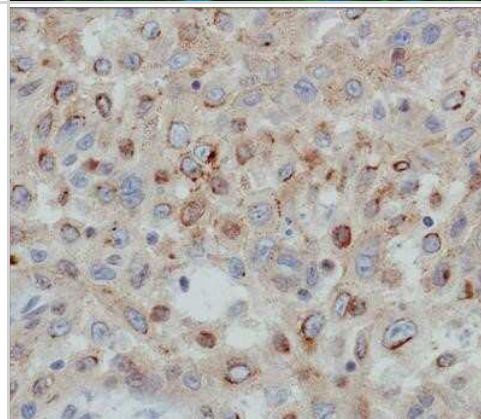
Western Blot: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - Colocalisation of Dsg3 with E-cadherin-catenin complex. Co-IPs demonstrated that both endogenous and exogenous Dsg3 interacted with the E-cadherin-catenin complex in A431 stable lines (the empty vector control (V) and hDsg3.myc (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.



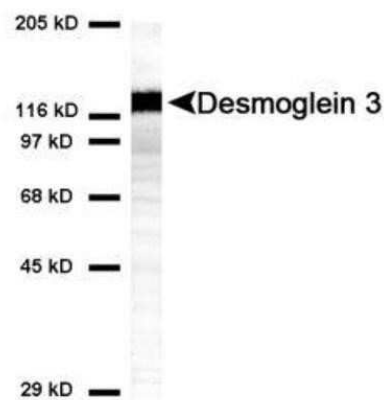
Immunocytochemistry/Immunofluorescence: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - The cultured primary mouse skin keratinocytes were stained at 1:150. The image shows the cytosolic staining. This image was submitted via customer review. Image from the standard format of this antibody.



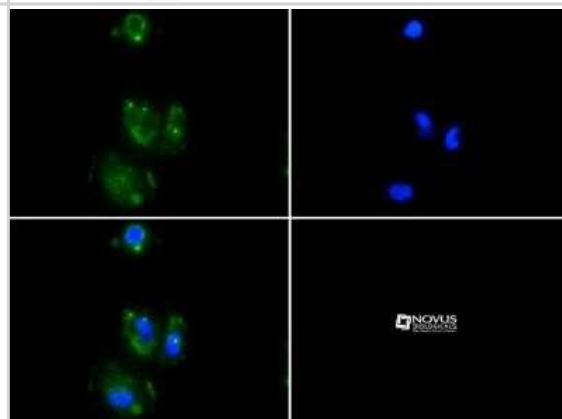
Immunohistochemistry: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - Analysis of Desmoglein 3 on human skin cancer using NBP1-78984. Image from the standard format of this antibody.



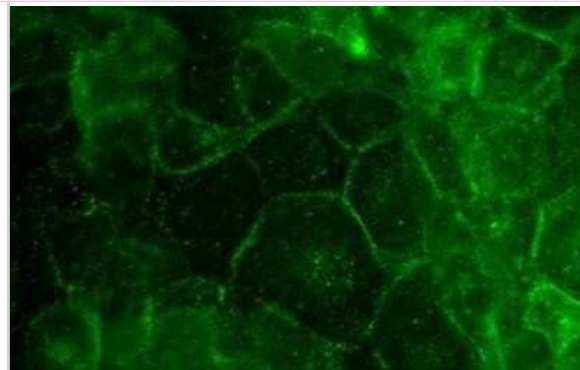
Western Blot: Desmoglein-3 Antibody (5H10) - Azide and BSA Free [NBP2-80695] - Analysis of Desmoglein 3 expression in HaCat cell lysate using NBP1-78984. Image from the standard format of this antibody.



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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-54729PEP	Desmoglein-3 Recombinant Protein Antigen

### **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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