

# Product Datasheet

## Desmoglein-3 Antibody (DSG3/2838) - Azide and BSA Free NBP3-08430

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-08430**

Desmoglein-3 Antibody (DSG3/2838) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	DSG3/2838
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	130 kDa

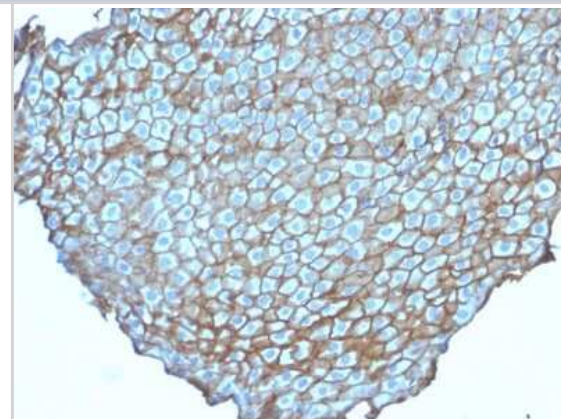
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07876).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	1830
Gene Symbol	DSG3
Species	Human
Marker	Squamous Cell Marker
Specificity/Sensitivity	Recognizes a protein of 130kDa, identified as Desmoglein-3 (DSG3). This monoclonal antibody is highly specific to Desmoglein-3 and does not cross-react with other members of the Desmoglein-family. DSG3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Research has shown that DSG3 has a very high sensitivity (80%) and specificity (100%) in recognizing squamous cell carcinoma (SqCC). Therefore, DSG3 is considered a very important marker for lung SqCC and can be a useful ancillary marker to separate SqCC from other subtypes of lung cancer. Moreover, studies have shown that DSG3 expression in lung SqCC may indicate a poor prognosis.
Immunogen	Recombinant fragment (around aa 379-491) human Desmoglein-3 protein (exact sequence is proprietary) (Uniprot: P32926)

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.

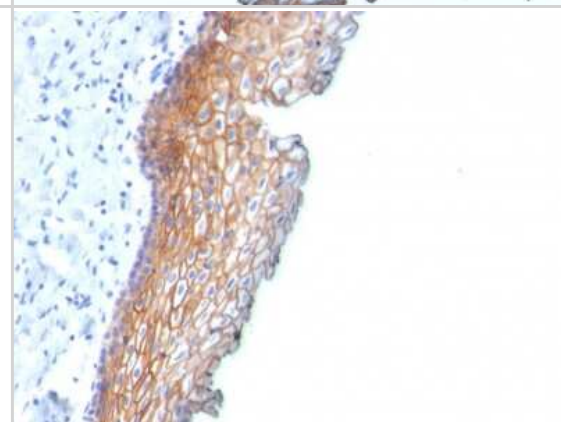


## Images

Immunohistochemistry-Paraffin: Desmoglein-3 Antibody (DSG3/2838) [NBP3-08430] - Formalin-fixed, paraffin-embedded human Esophageal Carcinoma stained with Desmoglein-3 Mouse Monoclonal Antibody (DSG3/2838).



Immunohistochemistry-Paraffin: Desmoglein-3 Antibody (DSG3/2838) [NBP3-08430] - Formalin-fixed, paraffin-embedded human Esophageal Carcinoma stained with Desmoglein-3 Mouse Monoclonal Antibody (DSG3/2838).



Protein Array: Desmoglein-3 Antibody (DSG3/2838) [NBP3-08430] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Desmoglein-3 Mouse Monoclonal Antibody (DSG3/2838).





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### **Products Related to NBP3-08430**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-54729PEP	Desmoglein-3 Recombinant Protein Antigen

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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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