

# Product Datasheet

## Desmoglein-3 Antibody (DSG3/2840) NBP3-07892-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-07892-100ug**

Desmoglein-3 Antibody (DSG3/2840)

| Product Information     |                          |
|-------------------------|--------------------------|
| Unit Size               | 100 ug                   |
| Concentration           | 0.2 mg/ml                |
| Storage                 | Store at 4C.             |
| Clonality               | Monoclonal               |
| Clone                   | DSG3/2840                |
| Preservative            | 0.05% Sodium Azide       |
| Isotype                 | IgG1 Kappa               |
| Purity                  | Protein A or G purified  |
| Buffer                  | 10 mM PBS with 0.05% BSA |
| Target Molecular Weight | 130 kDa                  |

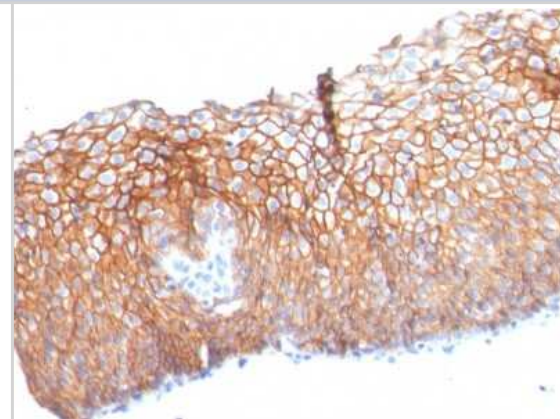
| Product Description     |   |
|-------------------------|---|
| Description             | <p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-08509)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>   |
| Host                    | Mouse   |
| Gene ID                 | 1830  |
| Gene Symbol             | DSG3  |
| Species                 | Human   |
| Marker                  | Squamous Cell Marker  |
| Specificity/Sensitivity | <p>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.</p> |
| 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. Optimal dilution for a specific application should be determined. |

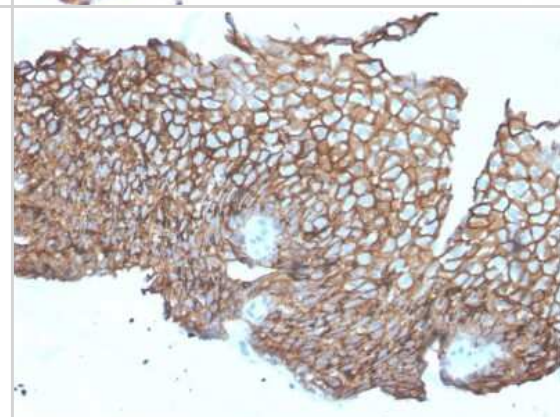


## Images

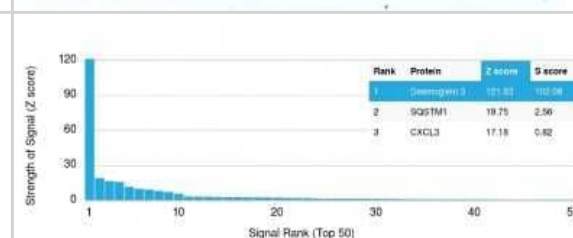
Immunohistochemistry-Paraffin: Desmoglein-3 Antibody (DSG3/2840) [NBP3-07892] - Formalin-fixed, paraffin-embedded human Esophageal Carcinoma stained with Desmoglein-3 Mouse Monoclonal Antibody (DSG3/2840).



Immunohistochemistry-Paraffin: Desmoglein-3 Antibody (DSG3/2840) [NBP3-07892] - Formalin-fixed, paraffin-embedded human Esophageal Carcinoma stained with Desmoglein-3 Mouse Monoclonal Antibody (DSG3/2840).



Protein Array: Desmoglein-3 Antibody (DSG3/2840) [NBP3-07892] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Desmoglein-3 Mouse Monoclonal Antibody (DSG3/2840).





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### **Products Related to NBP3-07892-100ug**

|                  |   |
|------------------|---|
| 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                |

### **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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