

**Anti-Desmoglein-3 Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13176****Specification**

---

**Anti-Desmoglein-3 Antibody - Product Information**

Application	,1,14,3,4,
Primary Accession	<a href="#">P32926</a>
Other Accession	<a href="#">1925</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	107533

**Anti-Desmoglein-3 Antibody - Additional Information****Gene ID** 1830**Other Names**130kDa pemphigus vulgaris antigen (PVA); Balding (Bal); Cadherin family member 6 (CDHF6);  
Desmoglein-3 (DSG3)**Format**200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with  
0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**Anti-Desmoglein-3 Antibody is for research use only and not for use in diagnostic or therapeutic  
procedures.**Anti-Desmoglein-3 Antibody - Protein Information****Name** DSG3 ([HGNC:3050](#))**Synonyms** CDHF6**Function**Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins  
and intermediate filaments mediating cell-cell adhesion.**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome

**Tissue Location**

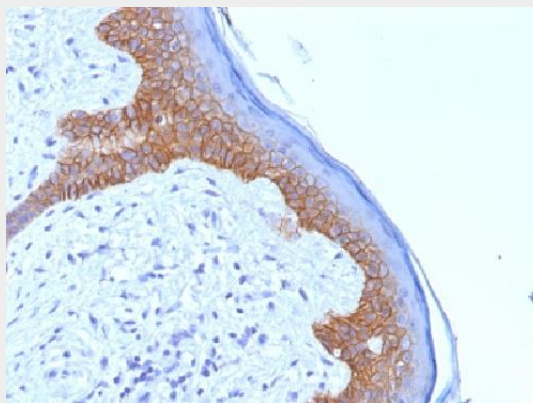
Epidermis, tongue, tonsil, esophagus and carcinomas. Expressed in skin and mucosa (at protein level) (PubMed:30528827).

### **Anti-Desmoglein-3 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-Desmoglein-3 Antibody - Images**



Formalin-fixed, paraffin-embedded human Skin stained with Desmoglein-3 Monoclonal Antibody (5G11).

### **Anti-Desmoglein-3 Antibody - Background**

Recognizes a protein of 130kDa, identified as Desmoglein-3 (DSG3). This MAb 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. Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Currently, three desmoglein subfamily members are identified and all are members of the cadherin cell adhesion molecule superfamily.