

Anti-Desmoglein-3 Antibody
Mouse Monoclonal Antibody
Catalog # AH13180**Specification**

Anti-Desmoglein-3 Antibody - Product Information

Application	,1,14,3,4,
Primary Accession	P32926
Other Accession	1925
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.

PrecautionsAnti-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

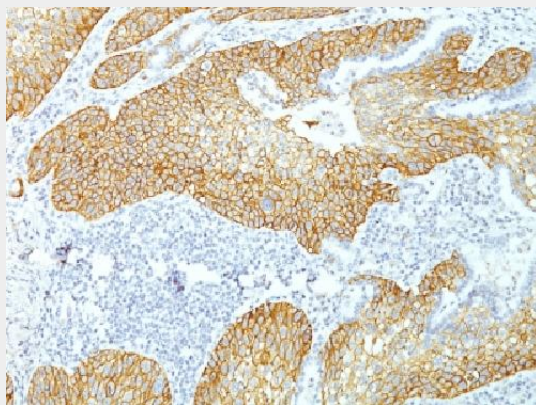
Epidermis, tongue, tonsil, esophagus and carcinomas. Expressed in skin and mucosa (at protein level) (PubMed:30528827).

Anti-Desmoglein-3 Antibody - Protocols

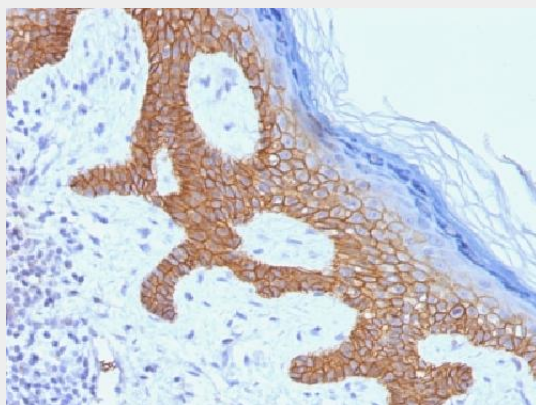
Provided below are standard protocols that you may find useful for product applications.

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

Anti-Desmoglein-3 Antibody - Images



Formalin-paraffin Human Lung Squamous Cell Carcinoma stained with Desmoglein-3 Monoclonal Antibody (DSG3/1535).



Formalin-fixed, paraffin-embedded Human Skin stained with Desmoglein-3 Monoclonal Antibody (DSG3/1535).

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. 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.