

## 10-7539: Monoclonal Antibody to Desmoglein 3 (Clone: ABM4A31)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM4A31
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	DSG3
<b>Gene ID :</b>	1830
<b>Uniprot ID :</b>	P32926
<b>Format :</b>	Purified
<b>Alternative Name :</b>	DSG3,CDHF6
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	A partial length recombinant Desmoglein 3 protein (amino acids 328-526) was used as the immunogen for this antibody.

### Description

DSG3 (Desmoglein 3) is a calcium-binding transmembrane glycoprotein component of desmosomes, conferring strong cell-cell adhesion. Desmosomes are button-like points of intercellular contact that allow the attachment of cytoskeletal elements to the plasma membrane at sites of cell-cell adhesion. DSG3 is expressed in basal and immediate suprabasal layers of skin. To maintain cell-cell adhesion DSG3 interacts with other desmosomal proteins, such as plakoglobin. Plakoglobin is closely related to Beta-catenin, which is a well-known downstream effector molecule in the canonical Wnt signaling pathway. DSG3 also promotes cancer cell growth and invasion through a plakoglobin-mediated signaling pathway.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Immunohistochemical analysis: 1 µg/ml

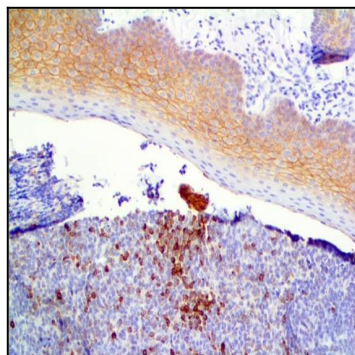


Fig-1 : Immunohistochemical analysis of Desmoglein 3 in human tonsil tissue using Desmoglein 3 antibody (Clone: ABM4A31) at 1 µg/ml.