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

Clonality :	Monoclonal
Clone Name :	ABM4A31
Application :	IHC
Reactivity :	Human
Gene :	DSG3
Gene ID :	1830
Uniprot ID :	P32926
Format :	Purified
Alternative Name :	DSG3,CDHF6
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	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

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	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.
Storage condition :	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 Âµg/ml

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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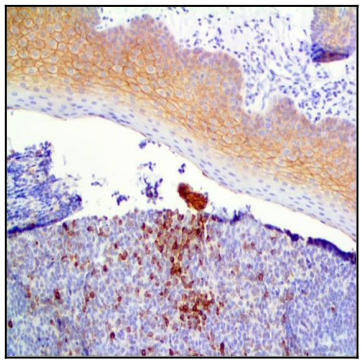

Fig-1 : Immunohistochemical analysis of Desmoglein 3 in human tonsil tissue using Desmoglein 3 antibody (Clone: ABM4A31) at 1 µg/ml.

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