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[Marker Primary Antibody]

Rabbit Anti-Desmocollin 4/AF647 Conjugated antibody

Catalog Number: SL9926R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Desmocollin 4/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human Desmocollin 4
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep)
Background:	background: Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. May contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms. **Function:** Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. May contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms. **Subcellular Location:** Cell membrane. Cell junction > desmosome. **Tissue Specificity:** Epidermis, buccal mucosa, esophagus and cervix. DISEASE: Defects in DSC3 are the cause of hypotrichosis and recurrent skin vesicles (HRSV) [MIM:613102]. A disorder characterized by hypotrichosis

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	and the appearance of recurrent skin vesicle formation. Affected individuals show sparse and fragile hair on scalp, as well as absent eyebrows and eyelashes. Vesicles filled with thin, watery fluid are observed on the scalp and skin of most of the boby. Mucosal vesicles are absent. **Database links:** **Entrez Gene:** 1825 Human **Entrez Gene:** 13507 Mouse **Entrez Gene:** 307563 Rat Omim: 600271 Human **SwissProt:** Q14574 Human **SwissProt:** P55850 Mouse **Unigene:** 41690 Human **Unigene:** 89935 Mouse **Unigene:** 99931 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Involvement in disease;Defects in DSC3 are the cause of hypotrichosis and recurrent skin vesicles (HRSV). A disorder characterized by hypotrichosis and the appearance of recurrent skin vesicle formation. Affected individuals show sparse and fragile hair on scalp, as well as absent eyebrows and eyelashes. Vesicles filled with thin, watery fluid are observed on the scalp and skin of most of the boby. Mucosal vesicles are absent.