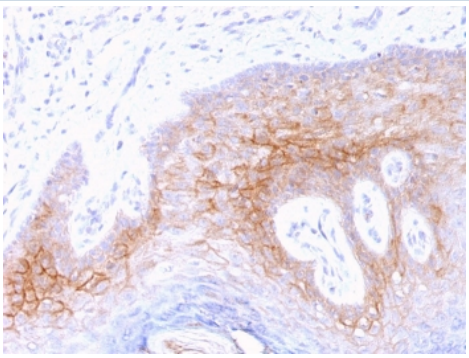
Desmocollin 2/3 Antibody [clone 7G6] (V3268)

Catalog No.	Formulation	Size
V3268-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3268-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3268SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

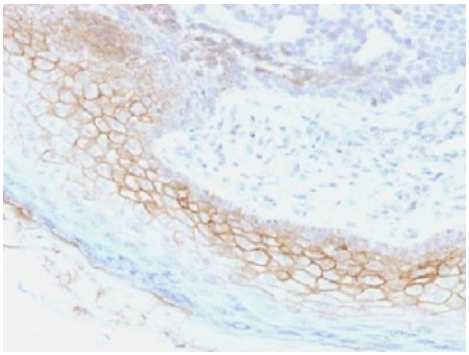
Citations (14)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	7G6
Purity	Protein G affinity chromatography
UniProt	Q02487
Localization	Cell surface
Applications	Flow cytometry : 0.5-1ug/million cells Immunofluorescence : 1-2ug/ml Western blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Desmocollin 2/3 antibody is available for research use only.



IHC testing of FFPE human skin with Desmocollin 2/3 antibody (clone 7G6). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min.



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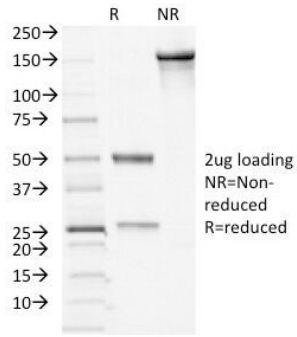

SDS-PAGE analysis of purified, BSA-free Desmocollin 2/3 antibody (clone 7G6) as confirmation of integrity and purity.

Description

Desmosomes are intercellular adhering junctions that represent cell surface attachment sites for intermediate filament. The desmosome is subdivided into two regions. The plaque region lies adjacent to the plasma, and is believed to contain molecules that attach the intermediate filament cytoskeleton to the desmosome. The core region is composed of transmembrane glycoproteins that are thought to mediate cell-cell adhesion. Desmogleins and desmocollins are the main desmosomal transmembrane proteins. These desmosomal glycoproteins belong to the members of the cadherin family of adhesion molecules. Three different isoforms of both desmogleins and desmocollins have been identified, named as desmoglein 1-3 and desmocollins. Desmosomal cadherins showed differentiation-specific expression in the human epidermis, although the functional significance of this differential expression is not fully understood. Desmocollin-1 can be found in the upper layers. The expression of Desmocollin-2 varies in the basal and suprabasal layers. And Desmocollin-3 is expressed more evenly throughout the suprabasal layers.

Application Notes

Optimal dilution of the Desmocollin 2/3 antibody should be determined by the researcher.

Immunogen

A recombinant protein corresponding to the extracellular domain of human Desmocollin 2 was used as the immunogen for the Desmocollin 2/3 antibody.

Storage

Store the Desmocollin 2/3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).