

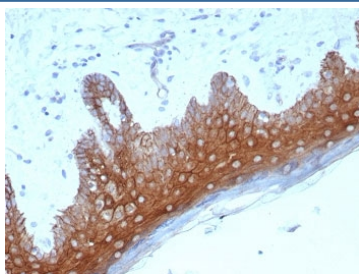
## Desmoglein 1 Antibody / DSG1 [clone DSG1/8576R] (V4571)

Catalog No.	Formulation	Size
V4571-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4571-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4571SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	DSG1/8576R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	Q02413
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Desmoglein 1 antibody is available for research use only.



IHC staining of FFPE human skin tissue with Desmoglein 1 antibody (clone DSG1/8576R). HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

Recognizes a protein of ~150kDa, identified as Desmoglein-1 (DSG1). Desmoglein-1 is a member of the desmosomal cadherin family. Desmosomes are intercellular adhering junctions that represent cell surface attachment sites for

intermediate filament. Desmocollins and desmogleins are the main desmosomal transmembrane proteins. Desmogleins consist of Dsg1, Dsg2, Dsg3, and Dsg4 isoforms. Within the desmosome, the extracellular domain of desmoglein is essential for calcium dependent heterophilic binding to the desmocollins, whereas the intracellular domain is essential for binding to the desmosomal plaque protein, plakoglobin. Desmoglein 1 is synthesized exclusively in the suprabasal layers. Intact and functionally active desmoglein 1 is essential to epidermal integrity.

## Application Notes

Optimal dilution of the Desmoglein 1 antibody should be determined by the researcher.

## Immunogen

Recombinant human DSG1 protein was used as the immunogen for the Desmoglein 1 antibody.

## Storage

Aliquot the Desmoglein 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.