

**Desmocollin 3 Antibody**  
**Rabbit mAb**  
**Catalog # AP92666****Specification**

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**Desmocollin 3 Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">Q14574</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CDHF3; Desmocollin3; Desmocollin4; DSC; DSC1; DSC2; DSC3; DSC4; HTCP;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	99969 Da

**Desmocollin 3 Antibody - Additional Information**

Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from Desmocollin 3
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Desmocollin 3 Antibody - Protein Information****Name** DSC3**Synonyms** CDHF3, DSC4**Function**

A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion (By similarity). Required for cell-cell adhesion in the epidermis, as a result required for the maintenance of the dermal cohesion and the dermal barrier function (PubMed:<a

href="http://www.uniprot.org/citations/19717567" target="\_blank">19717567</a>). Required for cell-cell adhesion of epithelial cell layers surrounding the telogen hair club, as a result plays an important role in telogen hair shaft anchorage (By similarity). Essential for successful completion of embryo compaction and embryo development (By similarity).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome {ECO:0000250|UniProtKB:P55850} Cytoplasm {ECO:0000250|UniProtKB:P55850}.  
Note=Expressed in the cytoplasm and at the cell membrane of oocytes {ECO:0000250|UniProtKB:P55850}

#### Tissue Location

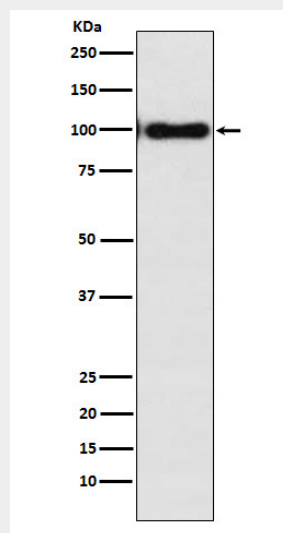
Expressed throughout the basal and spinous layer of the epidermis with weak expression in the granular layer (at protein level) (PubMed:19717567, PubMed:7665906). Also expressed in the buccal mucosa, esophagus and cervix (at protein level) (PubMed:7665906)

### Desmocollin 3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Desmocollin 3 Antibody - Images



Western blot analysis of Desmocollin 3 expression in A431 cell lysate.