

**Anti-Desmocollin-2/3 Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13164**

**Specification**

**Anti-Desmocollin-2/3 Antibody - Product Information**

Application	,1,14,3,4,
Primary Accession	<a href="#">Q02487</a>
Other Accession	<a href="#">95612</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	99962

**Anti-Desmocollin-2/3 Antibody - Additional Information**

**Gene ID 1824**

**Other Names**

ARVD11; Cadherin family member 2; CDHF2; Desmocollin-2; Desmocollin-3; Desmosomal glycoprotein II and III; Desmosomal glycoprotein II; Desmosomal glycoprotein III; DG2; DGII/III; DSC2; DSC3

**Format**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage**

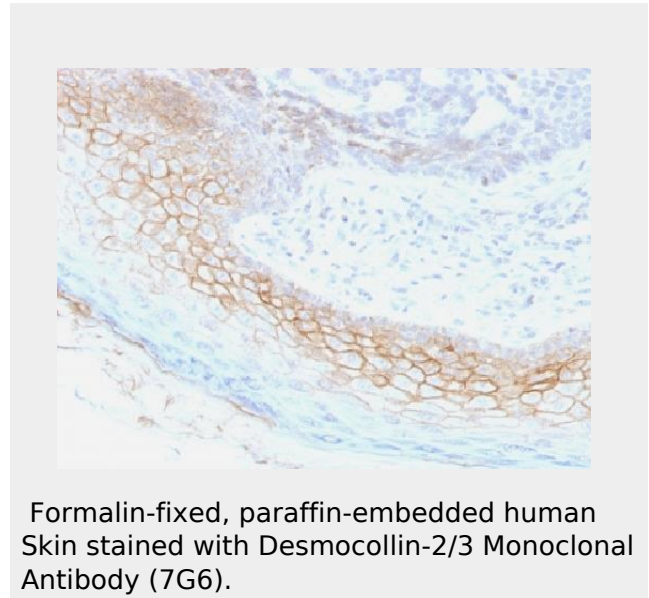
Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Anti-Desmocollin-2/3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Desmocollin-2/3 Antibody - Protein Information**

**Name** DSC2 ([HGNC:3036](#))



**Anti-Desmocollin-2/3 Antibody - Background**

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

**Synonyms** CDHF2, DSC3

throughout the suprabasal layers.

**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.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome

**Tissue Location**

Expressed in epithelia, myocardium and lymph nodes.

**Anti-Desmocollin-2/3 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](#)