

DSC1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8666b**Specification**

DSC1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q08554](#)**DSC1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 1823**Other Names**

Desmocollin-1, Cadherin family member 1, Desmosomal glycoprotein 2/3, DG2/DG3, DSC1, CDHF1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8666b](/products/AP8666b) was selected from the C-term region of human DSC1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DSC1 Antibody (C-term) Blocking Peptide - Protein Information**Name** DSC1**Synonyms** CDHF1**Function**

A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion (By similarity). Required for desmosome adhesion strength between the granular layers of the epidermis, as a result moderates epidermal proliferation and differentiation (By similarity). Is therefore required to maintain postnatal epidermal barrier function and normal hair follicle morphology into adulthood (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome
{ECO:0000250|UniProtKB:P55849}

Tissue Location

Strongly expressed in epidermis, less in lymph node and tongue.

DSC1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DSC1 Antibody (C-term) Blocking Peptide - Images**DSC1 Antibody (C-term) Blocking Peptide - Background**

DSC1 is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined.

DSC1 Antibody (C-term) Blocking Peptide - References

Toulza,E., et.al., Genome Biol. 8 (6), R107 (2007)Descargues,P., et.al., J. Invest. Dermatol. 126 (7), 1622-1632 (2006)