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DSC1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP8666b

Specification

DSC1 Antibody (C-term) Blocking Peptide - Product Information

Primary 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 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)