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DSC3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16771b

Specification

DSC3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q14574

DSC3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1825

Other Names
Desmocollin-3, Cadherin family member 3, Desmocollin-4, HT-CP, DSC3, CDHF3, DSC4

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.

DSC3 Antibody (C-term) Blocking Peptide - Protein Information

Name DSC3

Synonyms CDHF3, DSC4

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
Epidermis, buccal mucosa, esophagus and cervix.

DSC3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

DSC3 Antibody (C-term) Blocking Peptide - Images

DSC3 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is a calcium-dependentglycoprotein that is a member of the desmocollin subfamily of thecadherin superfamily. These desmosomal family members, along withthe desmogleins, are found primarily in epithelial cells where theyconstitute the adhesive proteins of the desmosome cell-celljunction and are required for cell adhesion and desmosomeformation. The desmosomal family members are arranged in twoclusters on chromosome 18, occupying less than 650 kb combined.Alternative splicing results in two transcript variants encodingdistinct isoforms.

DSC3 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :Spindler, V., et al. J. Biol. Chem. 284(44):30556-30564(2009)Ayub, M., et al. Am. J. Hum. Genet. 85(4):515-520(2009)Aoyama, Y., et al. Exp. Dermatol. 18(4):404-408(2009)