

DSG1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14430c**Specification**

DSG1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q02413](#)**DSG1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1828**Other Names**

Desmoglein-1, Cadherin family member 4, Desmosomal glycoprotein 1, DG1, DGI, Pemphigus foliaceus antigen, DSG1, CDHF4

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.

DSG1 Antibody (Center) Blocking Peptide - Protein Information**Name** DSG1**Synonyms** CDHF4**Function**

Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q7TSF1}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q7TSF1} Cell junction, desmosome. Cytoplasm. Nucleus

Tissue Location

Epidermis, tongue, tonsil and esophagus.

DSG1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DSG1 Antibody (Center) Blocking Peptide - Images

DSG1 Antibody (Center) Blocking Peptide - Background

Desmosomes are cell-cell junctions between epithelial, myocardial and certain other cell types. Desmoglein 1 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. The protein encoded by this gene has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus foliaceus.

DSG1 Antibody (Center) Blocking Peptide - References

Rothenberg, M.E., et al. Nat. Genet. 42(4):289-291(2010) Naoe, Y., et al. J. Dermatol. Sci. 57(3):192-198(2010) Qian, Y., et al. J. Invest. Dermatol. 129(12):2823-2834(2009) Spindler, V., et al. J. Biol. Chem. 284(44):30556-30564(2009) Getsios, S., et al. J. Cell Biol. 185(7):1243-1258(2009)