

DSC1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8666b

Specification

DSC1 Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB, FC,E |
| Primary Accession | Q08554 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Antigen Region | 659-687 |

DSC1 Antibody (C-term) - Additional Information

Gene ID 1823

Other Names

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

Target/Specificity

This DSC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 659-687 amino acids from the C-terminal region of human DSC1.

Dilution

WB~~1:1000
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DSC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DSC1 Antibody (C-term) - Protein Information

Name DSC1

Synonyms CDHF1

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. Linked to the keratinization of epithelial tissues.

Cellular Location

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

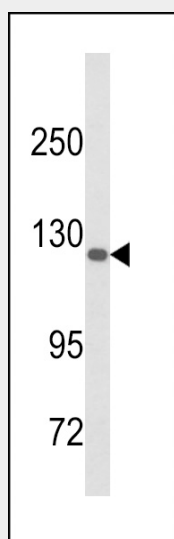
Tissue Location

Strongly expressed in epidermis, less in lymph node and tongue

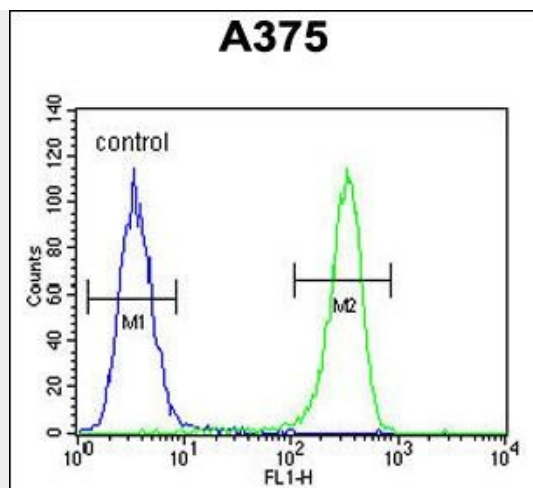
DSC1 Antibody (C-term) - Protocols

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](#)

DSC1 Antibody (C-term) - Images

Western blot analysis of DSC1 Antibody (C-term) (Cat. #AP8666b) in A375 cell line lysates (35ug/lane). DSC1 (arrow) was detected using the purified Pab.



DSC1 Antibody (C-term) (Cat. #AP8666b) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DSC1 Antibody (C-term) - 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) - References

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