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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

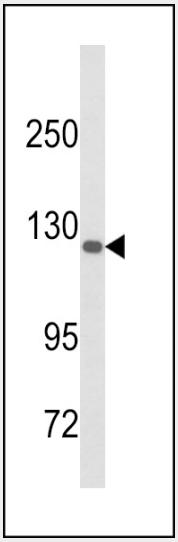
Tissue Location
Strongly expressed in epidermis, less in lymph node and tongue

DSC1 Antibody (C-term) - Protocols

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

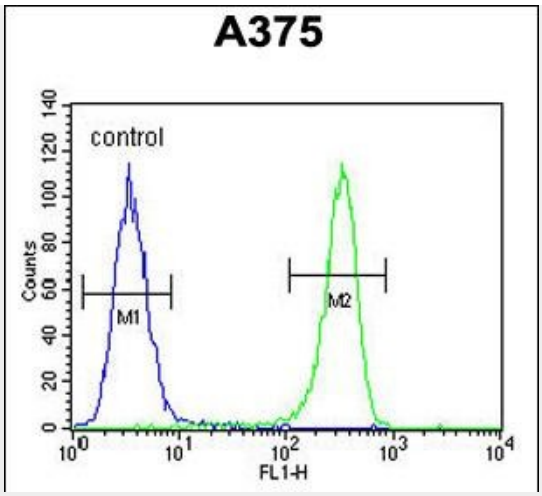
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

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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)