

Desmocollin 3 Antibody

Rabbit mAb

Catalog # AP92666

Product Information

Application	WB, IF, FC, ICC
Primary Accession	Q14574
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CDHF3; Desmocollin3; Desmocollin4; DSC; DSC1; DSC2; DSC3; DSC4; HTCP;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	99969

Additional Information

Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from Desmocollin 3
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

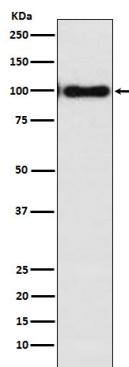
Protein Information

Name	DSC3
Synonyms	CDHF3, DSC4
Function	A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion (By similarity). Required for cell-cell adhesion in the epidermis, as a result required for the maintenance of the dermal cohesion and the dermal barrier function (PubMed: 19717567). Required for cell-cell adhesion of epithelial cell layers surrounding the telogen hair club, as a result plays an important role in telogen hair shaft anchorage (By similarity). Essential for successful completion of embryo compaction and embryo development (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome {ECO:0000250 UniProtKB:P55850} Cytoplasm {ECO:0000250 UniProtKB:P55850}. Note=Expressed in the cytoplasm and at the cell membrane of oocytes {ECO:0000250 UniProtKB:P55850}

Tissue Location

Expressed throughout the basal and spinous layer of the epidermis with weak expression in the granular layer (at protein level) (PubMed:19717567, PubMed:7665906). Also expressed in the buccal mucosa, esophagus and cervix (at protein level) (PubMed:7665906)

Images



Western blot analysis of Desmocollin 3 expression in A431 cell lysate.

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