

Desmocollin 4 Rabbit pAb

Catalog # AP97948

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q14574
Other Accession	Q14574
Predicted	Rat, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99969
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Desmocollin 4
Epitope Specificity	221-320/896
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Defects in DSC3 are the cause of hypotrichosis and recurrent skin vesicles (HRSV) [MIM:613102]. A disorder characterized by hypotrichosis and the appearance of recurrent skin vesicle formation. Affected individuals show sparse and fragile hair on scalp, as well as absent eyebrows and eyelashes. Vesicles filled with thin, watery fluid are observed on the scalp and skin of most of the baby. Mucosal vesicles are absent.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	1825
Other Names	CDHF3; DSC; DSC1; DSC2; DSC4; HT-CP; 5430426I24Rik; DSC3_HUMAN; DSC3; Cadherin family member 3; Desmocollin-4; DSC3_MOUSE; desmocollin 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.