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Anti-Desmoglein 4 Antibody

Catalog # AP51759

Product Information

Application	WB
Primary Accession	Q86SJ6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113824

Additional Information

Gene ID	147409
Other Names	CDHF13; Desmoglein-4; Cadherin family member 13
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Desmoglein 4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

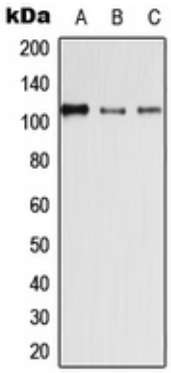
Name	DSG4
Synonyms	CDHF13
Function	A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion (By similarity). Coordinates the transition from proliferation to differentiation in hair follicle keratinocytes (By similarity). Plays a role in moderating lymphocyte migration to inflamed skin and maintaining homeostasis of the epidermal inflammatory response (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome Note=Colocalizes with JUP at desmosomes.
Tissue Location	In scalp follicles, present in the inner root sheath (IRS) and all layers of the matrix and precortex (at protein level) (PubMed:12705872, PubMed:26173648). Expressed in the brain, muscle, kidney, pancreas, spleen, thymus and weakly expressed in the lung, liver, heart and placenta

(PubMed:12705872). Highly expressed in skin, testis and prostate; less in salivary gland (PubMed:12648213) Expressed in the esophageal mucosa (PubMed:24220297)

References

Kljuic A.,et al.Cell 113:249-260(2003).
Whittock N.V.,et al.J. Invest. Dermatol. 120:523-530(2003).
Nguyen V.T.,et al.(In) Chan L.S. (eds.);
Nguyen V.T.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Rafiq M.A.,et al.J. Invest. Dermatol. 123:247-248(2004).

Images



Western blot analysis of Desmoglein 4 expression in HEK293T (A), SP2/0 (B), H9C2 (C) whole cell lysates. (Predicted band size: 113; 115 kD; Observed band size: 114 kD)

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