

# Desmoglein 4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51759

## Product Information

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Application	WB
Primary Accession	<a href="#">Q86SJ6</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113824

## Additional Information

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Gene ID	147409
Other Names	Desmoglein-4, Cadherin family member 13, DSG4, CDHF13
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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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)

## Background

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Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. Coordinates the transition from proliferation to differentiation in hair follicle keratinocytes (By similarity).

## References

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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.);

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Rafiq M.A.,et al.J. Invest. Dermatol. 123:247-248(2004).

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