

## Product datasheet

### anti-Desmoglein 4 guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP4
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Recombinant peptide (extracellular repeat domain E4; aa 472-590) of human Desmoglein 4
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	Q86SJ6 (Human), Q7TMD7 (Mouse), Q6W3B0 (Rat)
<b>Synonym</b>	Desmoglein-4, Cadherin family member 13, DSG4, CDHF13
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Stabilized antiserum
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC
<b>Reactivity</b>	Human, Mouse, Rat

#### Applications

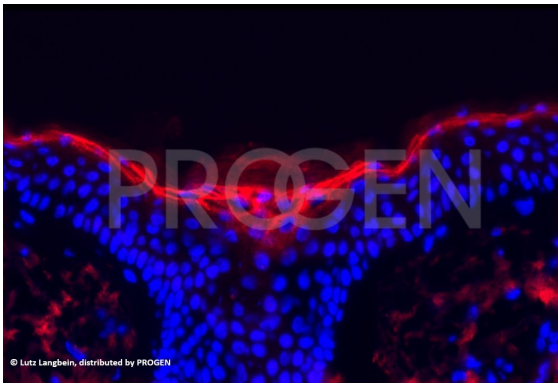
<b>Immunohistochemistry (IHC) - frozen</b>	1:100-1:200
<b>Immunohistochemistry (IHC) - paraffin</b>	1:100-1:200 (microwave treatment recommended)

#### Background

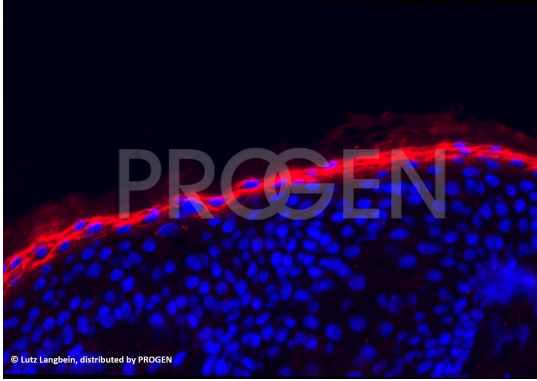
Antibody recognizes desmoglein 4 present in the hair cortex, beginning at the height of the apex of the dermal papilla and cuticle (inner root sheath) from the upper differentiated part. Also positive staining is found in the stratum granulosum of epidermis.

Polypeptide reacting: Desmoglein 4.

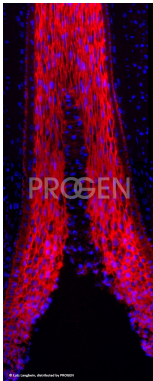
#### Product images



Human scalp (courtesy of L. Langbein)



Human scalp (courtesy of L. Langbein)



Human hair follicle (courtesy of L. Langbein)

References

Publication	Species	Application
<a href="#">Bazzi, H. et al. Desmoglein 4 is expressed in highly differentiated keratinocytes and trichocytes in human epidermis and hair follicle. Differentiation 74, 129â€“140 (2006).</a>	human	