

Product datasheet

anti-acidic Hair Keratin K31 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-HHA1
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Complete recombinant human hair (trichocytic) keratin K31 (formerly also designated keratin hHa1), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q15323 (Human), Q61765 (Mouse)
Synonym	Keratin, type I cuticular Ha1, Hair keratin, type I Ha1, Keratin-31, K31, KRT31, HHA1, HKA1, KRTHA1
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC
Reactivity	Human, Mouse

Applications

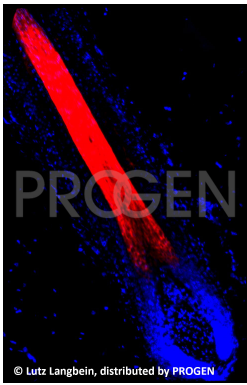
Immunohistochemistry (IHC) - frozen

1:200 (treatment with 0.02 % Triton X-100 recommended; for enhancement of cortex staining preincubate fixed sections with 0.1% Triton X-100 (in PBS) for 1-5 min prior to first antibody incubation step)

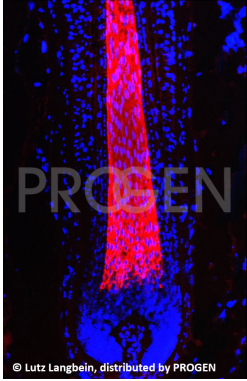
Background

The antiserum stains specifically human hair keratin K31 expressed starting from the lower hair cortex.

Product images



Human scalp hair (courtesy of L. Langbein)



Human scalp hair (courtesy of L. Langbein)

References

Publication	Species	Application
Dekoninck, S. et al. Defining the Design Principles of Skin Epidermis Postnatal Growth. Cell. 181, 604-620.e22 (2020)	mouse	IHC (paraffin)
Changarathil, G. et al. Wild-type and SAMP8 mice show age-dependent changes in distinct stem cell compartments of the interfollicular epidermis. PLoS.One. 14, e0215908 (2019)	mouse	IHC (paraffin)
Xin, T. et al. Flexible fate determination ensures robust differentiation in the hair follicle. Nat.Cell.Biol. 20, 1361-1369 (2018)	mouse	IHC-IF (frozen)
Sada, A. et al. Defining the cellular lineage hierarchy in the inter-follicular epidermis of adult skin. Nat. Cell Biol. 18, 619-631 (2016).	mouse	IHC (frozen),whole mount
Kretzschmar, K. et al. BLIMP1 is required for postnatal epidermal homeostasis but does not define a sebaceous gland progenitor under steady-state conditions. Stem cell reports 3, 620-33 (2014).	mouse	IHC (paraffin)