

Product datasheet

anti-Keratin K75 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K6HF
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human type II keratin Human K75 (formerly also designated K6hf) (FTTSGGHSLGAGLGSGFSATSNRGL-C)
Formulation	Contains 0.09% sodium azide and 0.5% BSA
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, WB
Reactivity	Human, Mouse

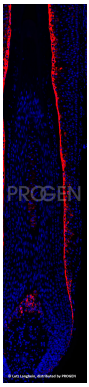
Applications

Immunohistochemistry (IHC) - frozen	1:100-1:200
Western Blot (WB)	1:2,000

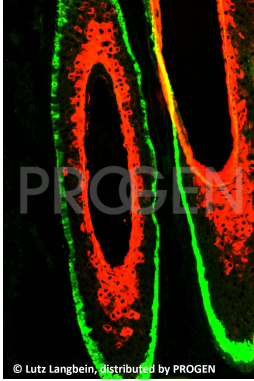
Background

The antiserum stains specifically the companion layer (innermost layer of the outer root sheath) of the hair follicle. Although there is a considerable homology of keratin K75 (K6hf) to keratins K5 and K6, no cross-reactivity was observed, neither in Western blotting nor in immunofluorescence microscopy.

Product images

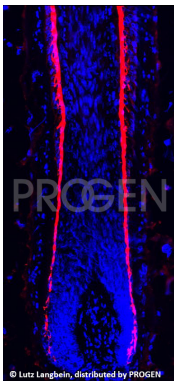


Human scalp hair (courtesy of L. Langbein)



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Keratin K75 (green) and Keratin K1 (red) staining on human hair root



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Human scalp hair (courtesy of L. Langbein)

References

Publication	Species	Application
Geueke, A. et al. The anti-apoptotic Bcl-2 protein regulates hair follicle stem cell function. EMBO Rep. 22, 1-14 (2021).	Mouse	IHC-Fr-IF
Langbein, L., Yoshida, H., Praetzel-Wunder, S., Parry, D. A. & Schweizer, J. The Keratins of the Human Beard Hair Medulla: The Riddle in the Middle. J. Invest. Dermatol. 130, 55-73 (2010).	human	IHC (frozen)
Jennemann, R. et al. Integrity and Barrier Function of the Epidermis Critically Depend on Glucosylceramide Synthesis. J. Biol. Chem. 282, 3083-3094 (2006).	mouse	IHC (paraffin)
Peitsch, W. K. et al. Drebrin, an Actin-Binding, Cell-Type Characteristic Protein: Induction and Localization in Epithelial Skin Tumors and Cultured Keratinocytes. J. Invest. Dermatol. 125, 761-774 (2005).	human	IHC (frozen)
Langbein, L., Spring, H., Rogers, M. A., Praetzel, S. & Schweizer, J. Hair keratins and hair follicle-specific epithelial keratins. Methods Cell Biol 78, 413-451 (2004).	human	IHC (frozen), IEM