

Product datasheet

anti-basic Hair Keratin K83 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-HHB3
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human basic hair (trichocytic) keratin K83 (formerly also designated hHb3; CGFNSIGCGFRPGNF), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	P78385 (Human), Q6IMF0 (Mouse)
Synonym	Keratin, type II cuticular Hb3, Hair keratin K2.10, Keratin-83, K83, Type II hair keratin Hb3, Type-II keratin Kb23, KRT83, KRTHB3
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

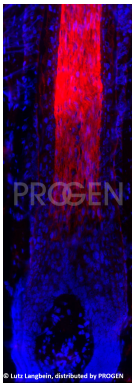
Applications

Immunohistochemistry (IHC) - frozen	1:200 (for enhancement of cortex staining preincubate fixed sections with 0.1 Triton X-100 (in PBS) for 1-5 min prior to first antibody
Western Blot (WB)	1:2,000 (inclusion step)

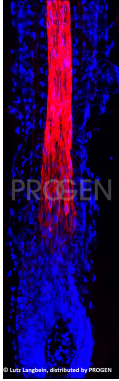
Background

The antiserum stains specifically human hair keratin K83 expressed starting from the middle cortex.

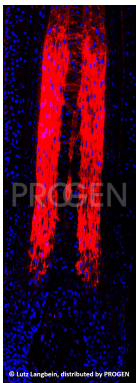
Product images



Human scalp hair (courtesy of L. Langbein)



Human scalp hair (courtesy of L. Langbein)



Human beard hair (courtesy of L. Langbein)

References

Publication	Species	Application
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, 55â€“73 (2010).	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, 413â€“451 (2004).	human	WB
Langbein, L., Rogers, M. A., Winter, H., Praetzel, S. & Schweizer, J. The catalog of human hair keratins: II. Expression of the six type II members in the hair follicle and the combined catalog of human type I and II keratins. J. Biol. Chem. 276, 35123	human	IHC (frozen)