PROGEN

Product datasheet

anti-Keratin K74 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K6IRS4
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human keratin K74 (formerly also des-ignated keratin K6irs4; C-GKSTPASIP ARKATR), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q7RTS7 (Human), Q6IFZ9 (Mouse)
Synomym	Keratin, type II cytoskeletal 74, Cytokeratin-74, CK-74, Keratin-5c, K5C, Keratin-74, K74, Type II inner root sheath-specific keratin-K6irs4, Type-II keratin Kb37, KRT74, K6IRS4, KB37, KRT5C, KRT6IRS4
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

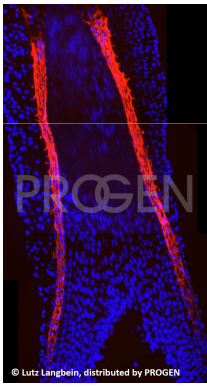## Applications

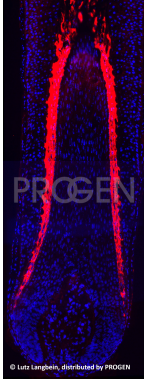|	
Immunohistochemistry (IHC) - frozen	1:100-1:200
Western Blot (WB)	1:2,000

Background

The antiserum stains specifically the Huxley layer of the inner root sheath (irs) of the hair follicle (from matrix to "end" of irs).Although there is a considerable sequence homology of keratin K74 polypeptide to keratins K5 and K6, no cross-reactivity was observed with Western blotting and immunofluorescence microscopy.
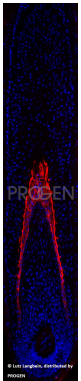
Product images

Human beard hair (courtesy of L. Langbein)

Human beard hair (courtesy of L. Langbein)

Human scalp 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., Rogers, M. A., Praetzel, S., Winter, H. & Schweizer, J. K6irs1, K6irs2, K6irs3, and K6irs4 represent the inner-root-sheath-specific type II epithelial keratins of the human hair follicle. J. Invest. Dermatol. 120, 512â€"522 (2003).	human	WB,IHC (frozen)