Product datasheet

anti-Keratin K71 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K6IRS1
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human keratin K71 (formerly also designated keratin K6irs1; C-GGE GRS RGS AND YKD T), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q3SY84 (Human), Q9R0H5 (Mouse)
Synomym	Keratin, type II cytoskeletal 71, Cytokeratin-71, CK-71, Keratin-71, K71, Type II inner root sheath-specific keratin-K6irs1, Keratin 6 irs, hK6irs, hK6irs1, Type-II keratin Kb34, KRT71, K6IRS1, KB34, KRT6IRS1
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

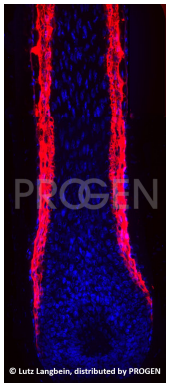
Applications

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

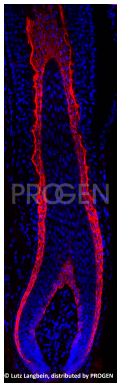
Background

Specific for human keratin K71 (57.3 kDa polypeptide; calculated from sequence data). The antiserum stains specifically the Henle, Huxley and cuticle layer of the inner root sheath (irs) of the hair follicle.Although there is a considerable sequence homology of keratin K71 to keratins K5 andK 6, no cross-reactivity was observed with Western blotting and immunofluorescence microscopy.

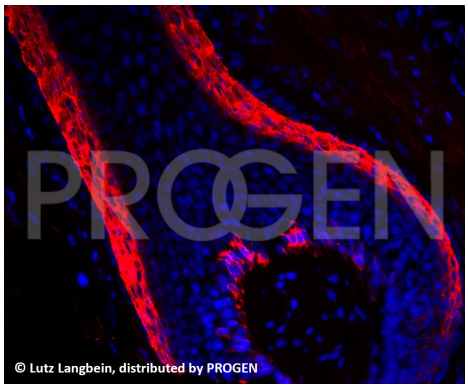
Product images



Human beard hair (courtesy of L. Langbein)



Human beard hair (courtesy of L. Langbein)



Human beard hair (courtesy of L. Langbein)

References

Publication	Species	Application
Geueke, A. et al. The antiâ€•apoptotic Bclâ€•2 protein regulates hair follicle stem cell function. EMBO Rep. 22, 1â€“14 (2021).	Mouse	IHC-Fr-IF
Sun, X. et al. Coordinated hedgehog signaling induces new hair follicles in adult skin. Elife. 9, (2020)	mouse	IHC-IF (paraffin)
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)
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, 413â€“451 (2004).	human	IHC (frozen)