

Product datasheet

anti-Keratin K73 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K6IRS3
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human keratin K73 (formerly also designated K6irs3; YSMLPGGCVTGSGN), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q86Y46 (Human), Q6NXH9 (Mouse)
Synonym	Keratin, type II cytoskeletal 73, Cytokeratin-73, CK-73, Keratin-73, K73, Type II inner root sheath-specific keratin-K6irs3, Type-II keratin Kb36, KRT73, K6IRS3, KB36, KRT6IRS3
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

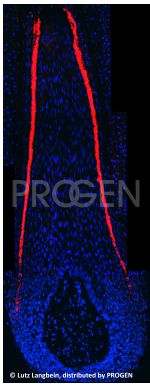
Applications

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

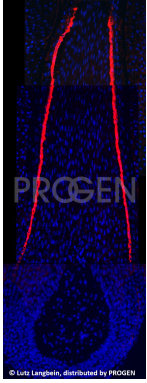
Background

Reactive polypeptide: the antiserum stains specifically the cuticle layer of the inner root sheath (irs) of the hair follicle. K73 is expressed earlier than K72. Although there is a considerable sequence homology of keratin K73 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)

References

Publication	Species	Application
Bazzi, H. et al. Desmoglein 4 is expressed in highly differentiated keratinocytes and trichocytes in human epidermis and hair follicle. Differentiation 74, 129-140 (2006).	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)