

## **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)

**Synomym** 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

ConjugateUnconjugatedPurificationStabilized 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) - frozen1:100-1:200Western Blot (WB)1:2,000

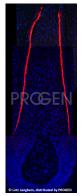
#### Background

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	human	IHC (frozen)
differentiated keratinocytes and trichocytes in human		
epidermis and hair follicle. Differentiation 74, 129-140 (2006).		
Langbein, L., Rogers, M. A., Praetzel, S., Winter, H. &	human	WB,IHC (frozen)
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, 512–522		
<u>(2003).</u>		