Product datasheet

anti-Keratin K72 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K6IRS2
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human keratin K72 (formerly also designated K6irs2; SYKTAAADVKTKGSC), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q14CN4 (Human), Q6IME9 (Mouse)
Synomym	Keratin, type II cytoskeletal 72, Cytokeratin-72, CK-72, Keratin-72, K72, Type II inner root sheath-specific keratin-K6irs2, Type-II keratin Kb35, KRT72, K6IRS2, KB35, KRT6, KRT6IRS2
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 cuticle layer of the inner root sheath (irs) of the hair follicle.Although there is a considerable sequence homology of keratin K72 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)

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
Ehrlich, F. et al. Comparative genomics suggests loss of keratin K24 in three evolutionary lineages of mammals. Sci.Rep. 9, 10924 (2019)	human	IHC-IF (paraffin),IHC-IF (frozen)
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, 55-73 (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, 512-522 (2003).	human	WB,IHC (frozen)