Product datasheet

anti-basic Hair Keratin K82 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-HHB2
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide of human basic hair (trichocytic) keratin K82 (formerly also designated keratin hHb2; SIV GTG ELY VPC EPQ GLL SC), coupled to KLH
Formulation	Contains 0.09% sodium azide
UniprotID	Q9NSB4 (Human), Q99M74 (Mouse)
Synomym	Keratin, type II cuticular Hb2, Keratin-82, K82, Type II hair keratin Hb2, Type-II keratin Kb22, KRT82, KRTHB2
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

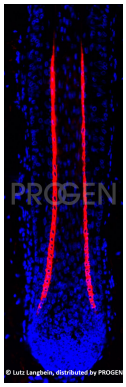
Applications

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

Background

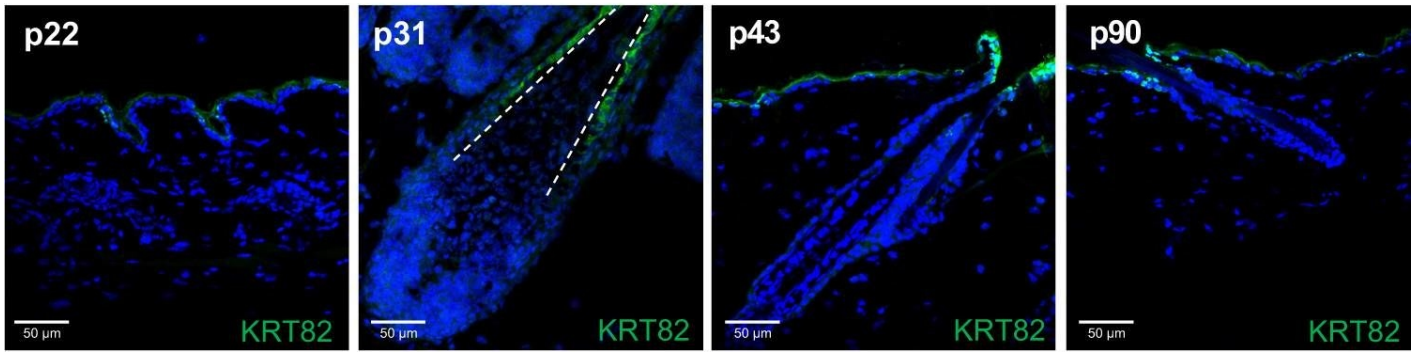
The antiserum stains specifically human hair keratin K82 present starting from the mid bulb region in the hair cuticle (contrary to K32, expression starting from the lower part of the cuticle).

Product images



Human scalp hair (courtesy of L. Langbein)

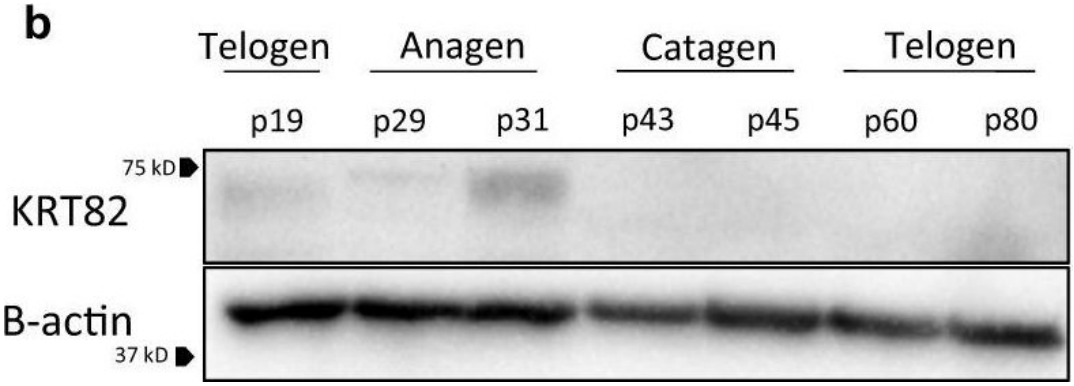
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Erjavec, S. O., Gelfman, S., et al. Whole exome sequencing in Alopecia Areata identifies rare variants in KRT82. Nat Commun. 2022-02-10.

Species/Reactant: Mus musculus (House mouse)Applications: Immunohistochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

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Erjavec, S. O., Gelfman, S., et al. Whole exome sequencing in Alopecia Areata identifies rare variants in KRT82. Nat Commun. 2022-02-10.

Species/Reactant: Mus musculus (House mouse)Applications: Western BlottingImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Erjavec, S. O. et al. Whole exome sequencing in Alopecia Areata identifies rare variants in KRT82. Nat. Commun. 13, (2022).	mouse	IHC-IF, WB
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)
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., 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	WB
Langbein, L., Rogers, M. A., Winter, H., Praetzel, S. & Schweizer, J. The catalog of human hair keratins: II. Expression of the six type II members in the hair follicle and the combined catalog of human type I and II keratins. J. Biol. Chem. 276, 35123	human	WB,IHC (frozen)