

## Product datasheet

### anti-acidic Hair Keratin K35 guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP-HHA5
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic peptide of human acidic hair (trichocytic) keratin K35 (formerly also designated keratin hHa5; YSS SPC KLP SLS PVA RS), coupled to KLH
<b>Formulation</b>	Contains 0.09% sodium azide
<b>UniprotID</b>	Q92764 (Human), Q49714 (Mouse)
<b>Synonym</b>	Keratin, type I cuticular Ha5, Hair keratin, type I Ha5, Keratin-35, K35, KRT35, HHA5, HKA5, KRTHA5
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Stabilized antiserum
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC, WB
<b>Reactivity</b>	Human, Mouse

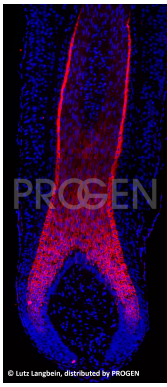
#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:200 (For enhancement of cortex staining preincubate fixed sections with 0.1% Triton X-100 (in PBS) for 1-5 min prior to first antibody incubation step)
<b>Western Blot (WB)</b>	1:2,000

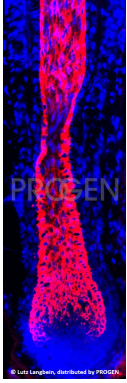
#### Background

The antiserum stains specifically human hair keratin K35 expressed starting from the upper part of hair matrix, lower cortex, and hair cuticle.

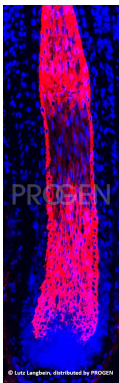
#### Product images



Human beard hair (courtesy of L. Langbein)



Human scalp hair (courtesy of L. Langbein)



Human scalp hair (courtesy of L. Langbein)

## References

Publication	Species	Application
<a href="#">Langbein, L., Yoshida, H., Praetzel-Wunder, S., Parry, D. A. &amp; Schweizer, J. The Keratins of the Human Beard Hair Medulla: The Riddle in the Middle. J. Invest. Dermatol. 130, 55â€“73 (2010).</a>	human	IHC (frozen)
<a href="#">Jennemann, R. et al. Integrity and Barrier Function of the Epidermis Critically Depend on Glucosylceramide Synthesis. J. Biol. Chem. 282, 3083-3094 (2006).</a>	mouse	IHC (paraffin)
<a href="#">Langbein, L. et al. The catalog of human hair keratins. I. Expression of the nine type I members in the hair follicle. J. Biol. Chem. 274, 19874â€“84 (1999).</a>	human	WB,IHC (frozen)