

## Product datasheet

### anti-Keratin K80.1 guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP-K80.1
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic peptide from human K80: TAP SLP YPL CSL-C
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	Q6KB66 (Human), Q0VBK2 (Mouse)
<b>Synonym</b>	Keratin, type II cytoskeletal 80, Cytokeratin-80, CK-80, Keratin-80, K80, Type-II keratin Kb20, KRT80, KB20
<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

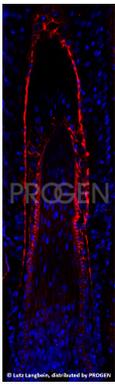
#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:1,000
<b>Western Blot (WB)</b>	Assay dependent

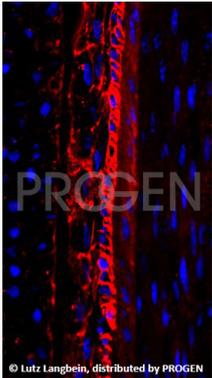
#### Background

K80 is found in virtually all types of epithelia (stratified keratinizing-/ non-keratinizing-, hard-keratinizing- as well as non-stratified tissues, and cell cultures thereof). In addition, KRT80 mRNA is subject to alternative splicing resulting in a smaller, but fully functional splice variant K80.1. Unlike the widely expressed K80, the expression of K80.1 is restricted to soft and hard-keratinizing epithelial structures of the hair follicle and the filiform tongue papilla.

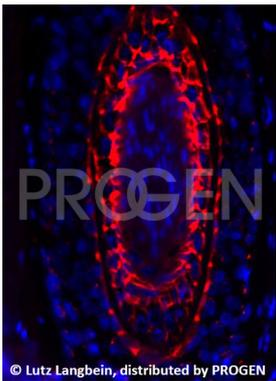
#### Product images



Human scalp hair (courtesy of L. Langbein) Recommendation: For better resolution on frozen sections preincubation (directly after fixation) with 0.05-0.2% Triton X-100, for 5-10 min, depending on tissue type, is recommended (see ref. 3).



Human scalp hair (courtesy of L. Langbein)



Human scalp (courtesy of L. Langbein)

## References

Publication	Species	Application
<a href="#">Langbein, L., Eckhart, L., Rogers, M. A., Praetzel-Wunder, S. &amp; Schweizer, J. Against the rules: Human keratin K80 - Two functional alternative splice variants, K80 and K80.1, with special cellular localization in a wide range of epithelia. J. Biol. Chem</a>	human	WB,IHC (frozen),IEM