Product datasheet

anti-Keratin K80 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K80
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide from human K80: IKI TEM SEK YFS QE-C
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q6KB66 (Human), Q0VBK2 (Mouse)
Synomym	Keratin, type II cytoskeletal 80, Cytokeratin-80, CK-80, Keratin-80, K80, Type-II keratin Kb20, KRT80, KB20
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

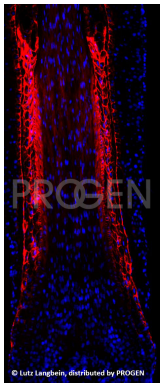
Applications

Immunohistochemistry (IHC) - frozen	1:500
Western Blot (WB)	Assay dependent

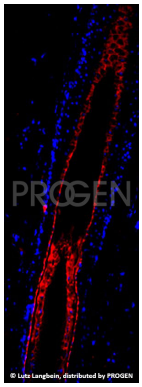
Background

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). Throughout, K80 expression is related to advanced tissue or cell differentiation. However, instead of being part of the cytoplasmic IF network, K80 containing IFs are located at the cell margins close to the desmosomal plaques, where they are tightly interlaced with the cytoplasmic IF bundles abutting there. In contrast, in cells entering terminal differentiation, K80 adopts the "conventional" cytoplasmic distribution. In addition, KRT80 mRNA is subject to alternative splicing resulting in fully functional splice variant K80.1.

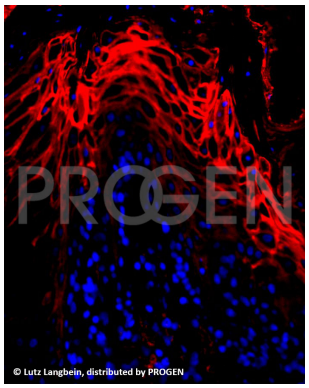
Product images



Human scalp hair (courtesy of L. Langbein)



Human scalp (courtesy of L. Langbein)



Human tongue (courtesy of L. Langbein)

References

Publication	Species	Application
Langbein, L., Eckhart, L., Rogers, M. A., Praetzel-Wunder, S. & 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	human	WB,IHC (frozen),IEM