

Product datasheet

anti-Keratin K17 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-CK17
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Recombinant human keratin K17
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	Q04695 (Human)
Synonym	Keratin, type I cytoskeletal 17, 39.1, Cytokeratin-17, CK-17, Keratin-17, K17, KRT17
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	ICC/IF, IHC, WB
Reactivity	Human

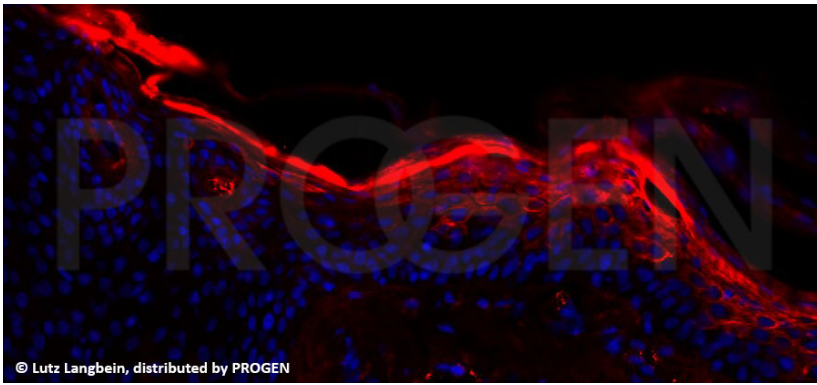
Applications

Immunocytochemistry (ICC)	1:100-1:200
Immunohistochemistry (IHC) - frozen	1:100-1:200
Immunohistochemistry (IHC) - paraffin	1:50 (microwave treatment recommended)
Western Blot (WB)	1:5,000-1:10,000

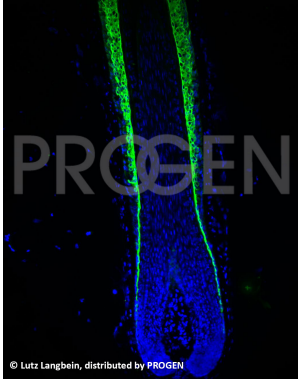
Background

The antiserum represents an excellent marker to distinguish myoepithelial cells (positive for keratin K17) from luminal epithelium of various glands (mammary, sweat, salivary, bronchial, tracheal, laryngeal, esophageal) and benign from malignant forms of e.g. mammary gland tumors. In the epidermis suprabasal staining is found only in cornifying regions and in the outer root sheath of hair follicles.

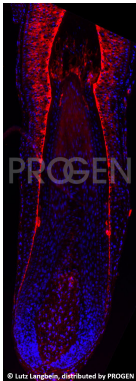
Product images



Human scalp hair (courtesy of L. Langbein)



Human scalp hair (courtesy of L. Langbein)



Human beard hair (courtesy of L. Langbein)

References

Publication	Species	Application
Duverger, O. et al. Genetic variants in pachyonychia congenita-associated keratins increase susceptibility to tooth decay. PLoS.Genet. 14, e1007168 (2018).	human	IHC-IF (paraffin)
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, 55â€“73 (2010).	human	IHC (frozen)
Jennemann, R. et al. Integrity and Barrier Function of the Epidermis Critically Depend on Glucosylceramide Synthesis. J. Biol. Chem. 282, 3083â€“3094 (2006).	mouse	IHC (paraffin)
Langbein, L. et al. Characterization of a Novel Human Type II Epithelial Keratin K1b, Specifically Expressed in Eccrine Sweat Glands. J. Invest. Dermatol. 125, 428â€“444 (2005).	human	IHC (frozen)