

Product datasheet

anti-Keratin K77 guinea pig polyclonal, serum

Short overview

 Cat. No.
 GP-K77

 Quantity
 100 μl

Product description

Host Guinea pig
Antibody Type Polyclonal

Immunogen Synthetic peptide from human K77(K1b): RVY STS SSA GSG GGS-C

Formulation Contains 0.09% sodium azide and 0.5% BSA

UniprotID Q7Z794 (Human)

Synomym Keratin, type II cytoskeletal 1b, Cytokeratin-1B, CK-1B, Keratin-77, K77, Type-II keratin Kb39,

KRT77, KRT1B

Note Centrifuge prior to opening

ConjugateUnconjugatedPurificationStabilized 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

ApplicationIHC, WBReactivityHumanNo reactivityMouse

Applications

Immunohistochemistry (IHC) - frozen 1:1,000

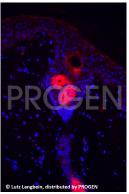
Immunohistochemistry (IHC) - paraffin 1:1,000 (microwave treatment recommended)

Western Blot (WB) Assay dependent

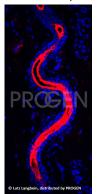
Background

K77 (formerly K1b) is closely related to K1, but, in adult humans, it is exclusively expressed in luminal duct cells of eccrine sweat glands. The secretory gland is negative as the peripheral cells of the duct. Furthermore, K77 is expressed in suprabasal fetal epidermis, where it appears slightly subsequent to K1. This expression order is also found in conventional and organotypic cultures of human keratinocytes. Ultrastructural investigations show that in contrast to murine K77 intermediate filaments, those of the human ortholog are not attached to desmosomes. After birth, K77 disappears without consequences from human epidermis.

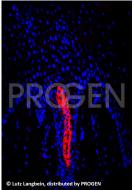
Product images



Human skin (courtesy of L. Langbein)



Adult human sole (courtesy of L. Langbein)



Adult human sole (courtesy of L. Langbein)

References

Publication	Species	Application
Langbein, L. et al. New facets of keratin K77: Interspecies	human,mouse	WB,IHC (frozen),IEM
variations of expression and different intracellular location in		
embryonic and adult skin of humans and mice. Cell Tissue		
Res. 354, 793-812 (2013).		