

## Product datasheet

### anti-Keratin K9 guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP-CK9
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic peptide of human keratin K9 (corresponding to aa 450-477), coupled to KLH
<b>Formulation</b>	Contains 0.09% sodium azide
<b>UniprotID</b>	G3MX98 (Bovine),P35527 (Human),Q6RHW0 (Mouse),Q8CIS9 (Rat)
<b>Synonym</b>	Keratin, type I cytoskeletal 9, Cytokeratin-9, CK-9, Keratin-9, K9, KRT9
<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>	Bovine, Human, Mouse, Rat

#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:100-1:200
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50 (microwave treatment recommended)
<b>Western Blot (WB)</b>	1:5,000-1:10,000

#### Background

The antiserum represents an excellent marker to study palmoplantar epidermal distribution and differentiation, specifically reactive in the middle/upper suprabasal layers (stratum spinosum/ granulosum) of the epidermis of palm and sole. K9 can be detected in primary cultures of palmoplantar keratinocytes when they shift to differentiation-promoting conditions and grow stratified (upper cells). K9 has not been found in normal, i.e. non-pathogenic, non-ridged epidermis, beside some minor cells surrounding the acrosyringal ducts. No labelling has been found in epithelial cells of other stratified epithelia such as oesophagus or complex epithelia (e.g. urothelium) or in ductal or simple epithelia. Negative tissues include: muscle, liver and duodenum (see references listed below). Reactive polypeptide: Acidic human keratin K9 (MW 62,129; formerly also designated cytokeratin 9), expressed in the palmoplantar epidermis

#### Product images



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## References

Publication	Species	Application
<a href="#">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).</a>	human	IHC (frozen)
<a href="#">Moll, I. &amp; Moll, R. Comparative cytokeratin analysis of sweat gland ducts and eccrine poromas. Arch. Dermatol. Res. 283, 300â€“9 (1991).</a>	human	IHC (frozen)