

## Product datasheet

### anti-Keratin K2 guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP-CK2E
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic peptide (N-terminal aa 2-23) of human keratin K2
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	G3MZ71 (Bovine),Q01546 (Human),P04104 (Mouse)
<b>Synonym</b>	Keratin, type II cytoskeletal 2 oral, Cytokeratin-2P, CK-2P, K2P, Keratin-76, K76, Type-II keratin Kb9, KRT76, KRT2B, KRT2P
<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>	ICC/IF, IHC, WB
<b>Reactivity</b>	Bovine, Human, Mouse

#### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:200
<b>Western Blot (WB)</b>	1:5,000-1:10,000

#### Background

The antiserum represents an excellent marker to study terminal epidermal differentiation. The mab is reactive with epidermal cells in uppermost suprabasal layers including scalp, foot and sole. It recognizes individual cells within epidermis of tongue and mamille (co-localization with keratin K1). It is also strongly reactive on hyperkeratosis of diverse origin. The mab does not react with palate keratin K76.

Reactive polypeptide: Basic human keratin K2 (MW 65,852; formerly also designated cytokeratin 2e).

Antigen recognized in species:

- bovine: calf hoof epidermis, snout epithelium; negative with tongue epithelium

- mouse: heterogeneously on foot sole epidermis only negative with epidermis of other body sites

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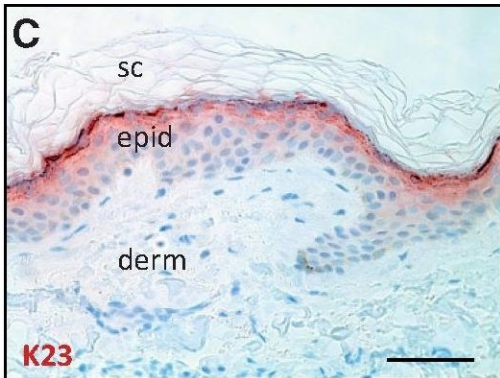
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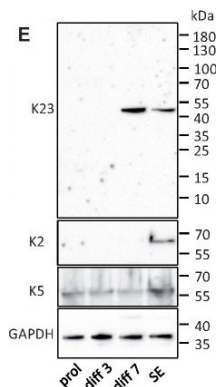
## Product images



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[Ehrlich, F., Fischer, H., et al. Differential Evolution of the Epidermal Keratin Cytoskeleton in Terrestrial and Aquatic Mammals. Mol Biol Evol. 2019-02-01.](#) Species/Reactant: Homo sapiens (Human) Applications: Immunohistochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



[Ehrlich, F., Fischer, H., et al. Differential Evolution of the Epidermal Keratin Cytoskeleton in Terrestrial and Aquatic Mammals. Mol Biol Evol. 2019-02-01.](#) Species/Reactant: Homo sapiens (Human) Applications: Western Blotting Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

## References

Publication	Species	Application
<a href="#">Ehrlich, F. et al. Differential Evolution of the Epidermal Keratin Cytoskeleton in Terrestrial and Aquatic Mammals. Mol.Biol.Evol. 36, 328-340 (2019).</a>	human	WB
<a href="#">Jennemann, R. et al. Integrity and Barrier Function of the Epidermis Critically Depend on Glucosylceramide Synthesis. J. Biol. Chem. 282, 3083â€“3094 (2006).</a>	mouse	IHC (paraffin)