

## Product datasheet

### anti-Keratin K6 mouse monoclonal, KA12, liquid, purified

#### Short overview

<b>Cat. No.</b>	690090
<b>Quantity</b>	1 ml
<b>Concentration</b>	50 µg/ml (50µg)

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	Ks6.KA12
<b>Immunogen</b>	Keratin K6 of human callus cytoskeletal preparation
<b>Formulation</b>	PBS pH 7.4 with 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	P02538 (Human), P50446 (Mouse), Q4FZU2 (Rat)
<b>Synonym</b>	Keratin, type II cytoskeletal 6A, Cytokeratin-6A, CK-6A, Cytokeratin-6D, CK-6D, Keratin-6A, K6A, Type-II keratin Kb6, allergen Hom s 5, KRT6A, K6A, KRT6D
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<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>	Human, Mouse, Rat

#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:5-1:50 (1-10 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:5-1:50 (1-10 µg/ml, microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

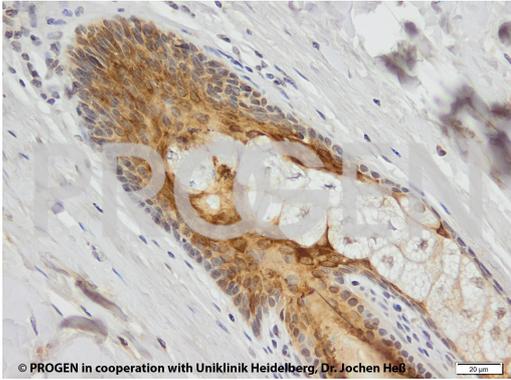
#### Background

Ks6.KA12 represents an excellent marker for non-keratinized squamous epithelia and proliferating cells of epidermis (e.g. within psoriatic lesions).

Polypeptide reacting: Mr 56,000 polypeptide (keratin K6; formerly also designated cytokeratin 6) of human squamous epithelia.

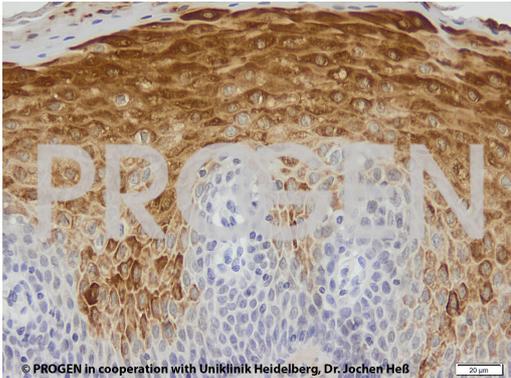
Tissues and tumors specifically detected: the antibody is suitable for discrimination of keratinizing and non-keratinizing squamous cell carcinoma versus e.g. poorly differentiated adenocarcinoma.

#### Product images



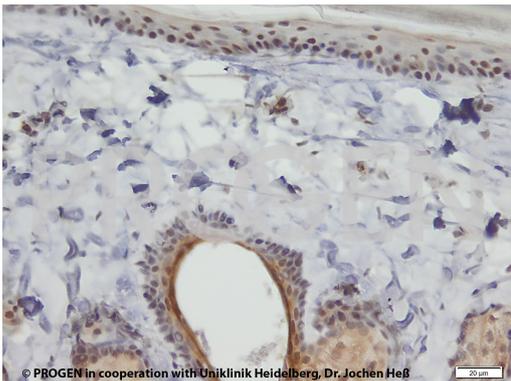
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IHC on human skin (courtesy of J.Heß, University Hospital Heidelberg)



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IHC on human uvula (courtesy of J.Heß, University Hospital Heidelberg)



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IHC on rat tail (courtesy of J.Heß, University Hospital Heidelberg)

## References

Publication	Species	Application
<a href="#">Boink, M. et al. Comparison of advanced therapy medicinal product gingiva and skin substitutes and their in vitro wound healing potentials. J.Tissue.Eng.Regen.Med. 12, e1088-e1097 (2018).</a>	human	IHC (paraffin)
<a href="#">Kist, R. et al. The Formation of Endoderm-Derived Taste Sensory Organs Requires a Pax9-Dependent Expansion of Embryonic Taste Bud Progenitor Cells. PLoS Genet. 10, (2014).</a>	mouse	IHC (frozen)
<a href="#">Wallace, L., Roberts-Thompson, L. &amp; Reichelt, J. Deletion of K1/K10 does not impair epidermal stratification but affects desmosomal structure and nuclear integrity. J. Cell Sci. 125, 1750-1758 (2012).</a>	mouse	IHC (frozen)
<a href="#">Langbein, L., Eckhart, L., Rogers, M. A., Praetzel-Wunder, S. &amp; 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</a>	human	IHC (frozen)
<a href="#">Langbein, L., Yoshida, H., Praetzel-Wunder, S., Parry, D. A. &amp; Schweizer, J. The Keratins of the Human Beard Hair Medulla: The Riddle in the Middle. J. Invest. Dermatol. 130, 55-73 (2010).</a>	human	IHC (frozen)