Product datasheet

anti-Keratin K6 mouse monoclonal, KA12, lyophilized, purified

Short overview

Cat. No.	61090
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks6.KA12
Immunogen	Keratin K6 of human callus cytoskeletal preparation
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	P02538 (Human), P50446 (Mouse), Q4FZU2 (Rat)
Synomym	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
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Human, Mouse, Rat

Applications

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

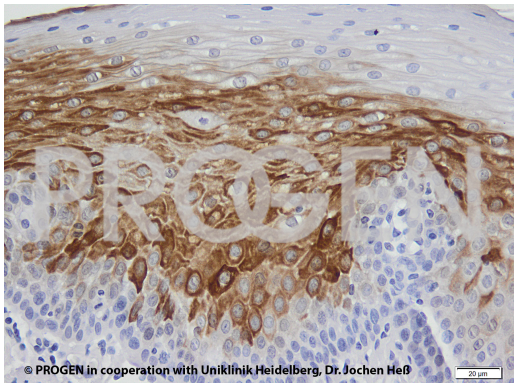
Background

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

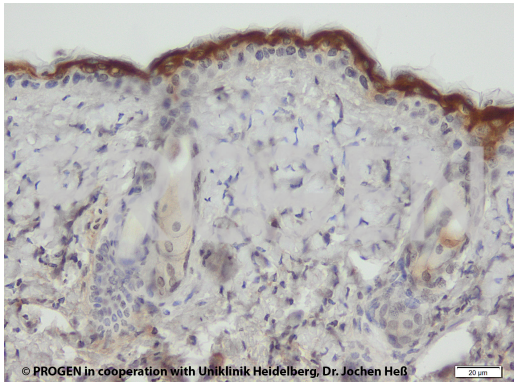
Polypeptide reacting: Mr 56,000 polypeptide (keratin K6; formerly also designated cytokeratin 6) of human squamous epithelia.

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.

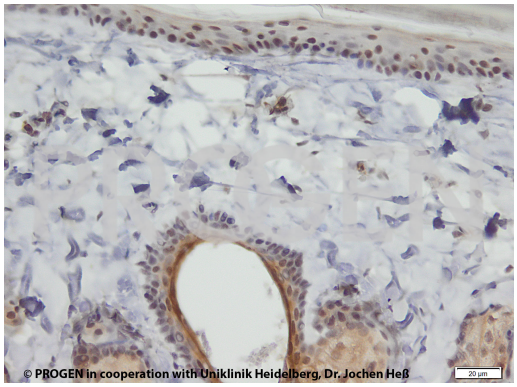
Product images



Human uvula (courtesy of J.Heß, University Hospital Heidelberg)



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



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

References

Publication	Species	Application
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).	human	IHC (paraffin)
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).	mouse	IHC (frozen)
Wallace, L., Roberts-Thompson, L. & Reichelt, J. Deletion of K1/K10 does not impair epidermal stratification but affects desmosomal structure and nuclear integrity. J. Cell Sci. 125, 1750â€“1758 (2012).	mouse	IHC (frozen)
Langbein, L., Eckhart, L., Rogers, M. A., Praetzel-Wunder, S. & 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	human	IHC (frozen)
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)