Product datasheet

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

Short overview

Cat. No.	19090
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks6.KA12
Immunogen	Keratin K6 of human callus cytoskeletal preparation
Formulation	PBS with 0.5% BSA and 0.09% sodium azide
UniprotID	P02538 (Human), P50446 (Mouse)
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	Short term 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

Applications

Immunohistochemistry (IHC) - frozen	1:10
Immunohistochemistry (IHC) - paraffin	1:10 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

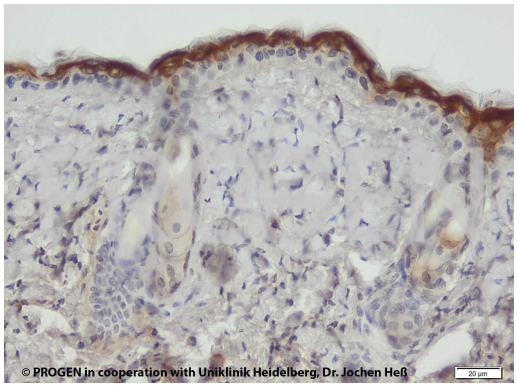
Background

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

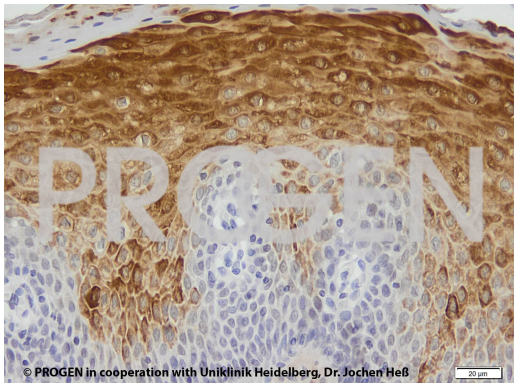
Polypeptide reacting: Mr 56,000 polypeptide (keratin K6; formerly also designated cytokeratin 6) of human squamous epithelia.

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.

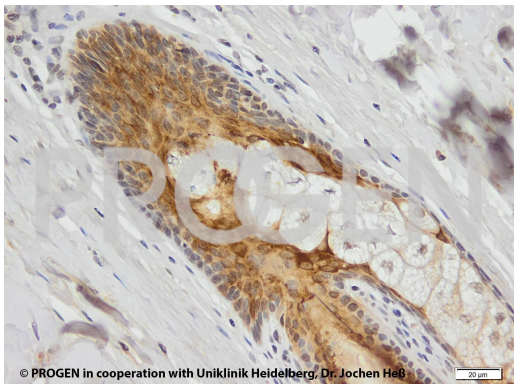
Product images



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



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



human skin (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)
Smedts, F. et al. Keratin expression in cervical cancer. Am. J. Pathol. 141, 497â€“511 (1992).	human	IHC (frozen)
Herrmann, T. et al. Mice with targeted disruption of the fatty acid transport protein 4 (Fatp 4, Slc27a4) gene show features of lethal restrictive dermopathy. J. Cell Biol. 161, 1105â€“1115 (2003).	mouse	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)
Langbein, L. et al. A novel epithelial keratin, hK6irs1, is expressed differentially in all layers of the inner root sheath, including specialized huxley cells (FlÃ¼gelzellen) of the human hair follicle. J. Invest. Dermatol. 118, 789â€“799 (2002).	human	WB