

Product datasheet

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

Short overview

Cat. No.	690090S
Quantity	200 µl
Concentration	50 µg/ml (10 µg)

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks6.KA12
Immunogen	Keratin K6 of human callus cytoskeletal preparation
Formulation	PBS pH 7.4 with 0.09% sodium azide and 0.5% BSA
UniprotID	P02538 (Human), P50446 (Mouse), Q4FZU2 (Rat)
Synonym	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, 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

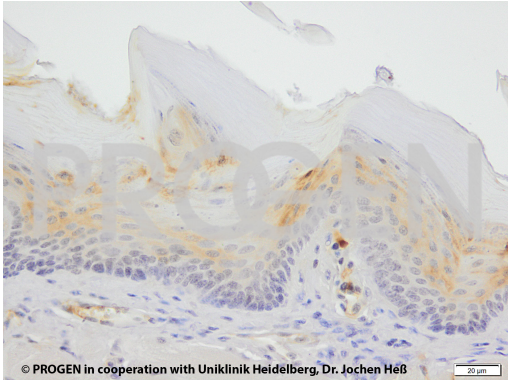
Background

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

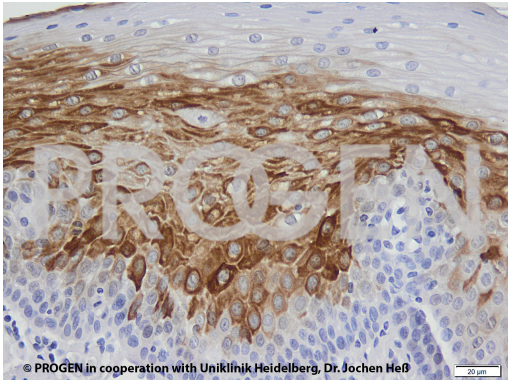
Polypeptide reacting: Mr 56,000 polypeptide (keratin K6; formerly also designated cytokeratin 6) of human squamous epithelia.

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.

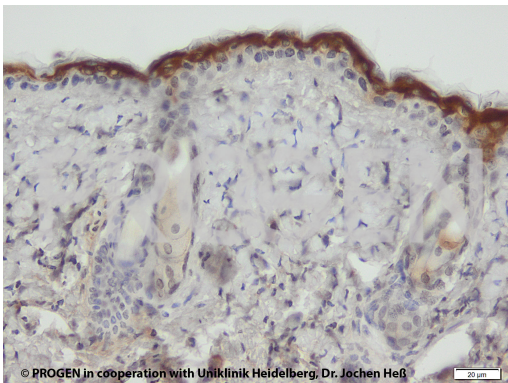
Product images



Mouse tongue (courtesy of J.Heß, University Hospital Heidelberg)



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



IHC on mouse 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, 497-511 (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, 1105-1115 (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 (Flügelzellen) of the human hair follicle. J. Invest. Dermatol. 118, 789-799 (2002).	human	WB