

Product datasheet

anti-Keratin K7 guinea pig polyclonal, serum

Short overview

Cat. No.	GP-K7
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide (C-SAGPGLLKAYSIRT) of human keratin K7 (formerly also designated cytokeratin 7), coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	P08729 (Human)
Synonym	Keratin, type II cytoskeletal 7, Cytokeratin-7, CK-7, Keratin-7, K7, Sarcolectin, Type-II keratin Kb7, KRT7, SCL
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
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	ICC/IF, IHC, WB
Reactivity	Human

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:200
Immunohistochemistry (IHC) - paraffin	1:100 (microwave treatment recommended)
Western Blot (WB)	1:3,000

Background

Excellent marker for the discrimination of specific subtypes of adenocarcinoma: e.g. adenocarcinoma of pancreas, bile duct carcinoma and transitional carcinoma of bladder are stained, whereas hepatocellular and prostate carcinomas are negative.

Detects specific subtypes of adenocarcinomas: adenocarcinoma of pancreas, gallbladder, lung, cervix; cholangio carcinoma of liver; ductal and lobular carcinoma of breast; carcinomas of ovary; transitional cell carcinoma of bladder; mesothelioma; negative with most cases of hepatocellular carcinoma. In colorectal carcinoma early stages are reported to be negative, but advanced stages of tumor development are positive for keratin K7 expression.

Reactive polypeptide (specificity): basic human keratin K7 (Mr 54,000).

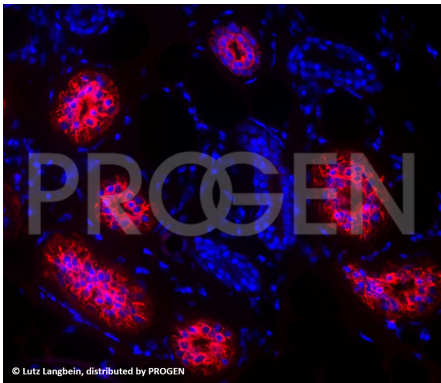
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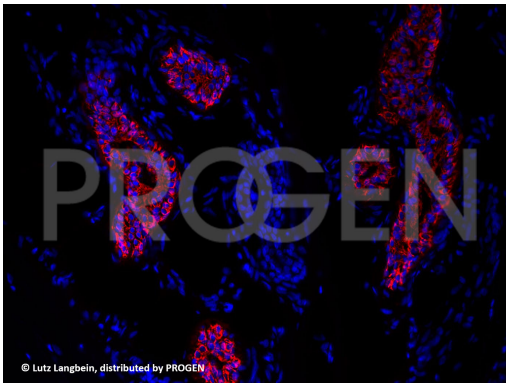
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Positive control: glandular epithelia (e.g. sweat glands, sebaceous glands); Merkel cells.

Product images



Human sole sweat gland (courtesy of L. Langbein)



Human sole sweat gland (courtesy of L. Langbein)

References

Publication	Species	Application
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)