

Product datasheet for **BP5020**

Cytokeratin 19 (KRT19) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Western blot (1/3000, ECL). Cytological material. Immunocytochemistry/Immunofluorescence: 1/100. Immunohistochemistry on Frozen Sections: 1/200. Immunohistochemistry on Paraffin Embedded Tissues: 1/100 (Microwave treatment recommended). Incubation Time: 1 h at RT (extended with paraffin sections).
Reactivity:	Bovine, Human
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Human Keratin 19, purified from MCF-7 cells
Specificity:	Reacts with acidic Keratin 19 (Mr 40,000) (formerly also designated Cytokeratin 19). Tumors Specifically detected: All adeno-Ca tested. The antiserum represents an excellent marker for all glandular type epithelia, useful for discrimination of glandular epithelial carcinoma from those of different origin. No reaction with hepatocellular carcinoma!
Formulation:	State: Serum State: Liquid Stabilized Antiserum Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 19



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Database Link: [Entrez Gene 3880 Human P08727](#)

Background: This protein is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. Keratin 19 is not expressed in hepatocytes, therefore, antibody to keratin 19 is useful in the identification of liver metastasis. The degree of keratin 19 positivity in breast cancer distinguishes malignant from benign tumours. Keratin 19 is often co-expressed with keratin 7.

Synonyms: Cytokeratin-19, Keratin-19, KRT19, CK19, K19