

Product datasheet for **BP5080**

Cytokeratin 20 (KRT20) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting: 1/3000 for Western Blot (ECL method). Immunohistochemistry on Frozen Sections: 1/200. Immunohistochemistry on Paraffin Embedded Tissue: 1/100 (after microwave treatment or trypsin). Cytological material. Incubation Time: 1 h at RT, extended with paraffin sections. Positive Control: Colon, duodenum, Merkel cells of skin.
Reactivity:	Human, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide of Human keratin K20 (formerly also designated cytokeratin 20)
Specificity:	Reacts with Acidic Human Keratin K20 (Mr 46 000). Excellent marker for certain types of carcinomas such as adenocarcinomas of the colon, transitional cell carcinomas of the bladder and Merkel cell tumors of the skin. Very sensitive detection of intestinal and gastric foveolar epithelium, urothelial umbrella cells, Merkel cells of epidermis as well as tumors originating therefrom (e.g. primary and metastatic colorectal carcinoma).
Formulation:	State: Serum State: Liquid Stabilized antiserum Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 20



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Database Link: [Entrez Gene 54474 Human P35900](#)

Background: Cytokeratin 20 is a type I keratin which is primarily expressed in gastric and intestinal epithelium, urothelium, and Merkel-cells. 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. Their genes are clustered in a region of chromosome 17q12-q21. Cytokeratin 20 is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. It is also expressed in adenocarcinomas of the colon, stomach, pancreas and the bile system and is present in mucinous ovarian tumors, transitional-cell and Merkel-cell carcinomas. Notably, the squamous cell carcinomas and adenocarcinomas of the breast, lung, and endometrium, non-mucinous tumors of the ovary, and small cell carcinomas lack cytokeratin 20.

Synonyms: Cytokeratin 20, Keratin-20, KRT20, CK20, K20, Protein IT