

## Product datasheet for **BP5074**

### Cytokeratin 7 (KRT7) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blotting:</b> 1/3000 (ECL). <b>Immunohistochemistry on frozen Sections:</b> 1/200. <b>Immunohistochemistry on paraffin-embedded:</b> 1/100 (after microwave treatment). <b>Cytological material.</b> <i>Incubation time:</i> 1 h at RT; extended with paraffin sections. <i>Positive control:</i> Glandular epithelia (e.g. sweat glands, sebaceous glands); Merkel cells.
Reactivity:	Human
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide (C-SAGPGLLKAYSIRT) of human keratin K7 (formerly also designated cytokeratin 7), coupled to KLH.
Specificity:	Reacts with basic keratin K7 (Mr 54 000). 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.
Formulation:	State: Serum State: Stabilized antiserum Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.



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**Gene Name:** keratin 7

**Database Link:** [Entrez Gene 3855 Human P08729](#)

**Background:** Cytokeratin 7 is a 54kD intermediate filament protein found in a variety of glandular epithelia. Cytokeratin 7 has been found in columnar and glandular epithelium of the lung, cervix, breast, bile ducts and larger collecting ducts of the kidney. It is present in the transitional epithelium of bladder as well as ovarian and lung epithelia, and occasionally staining of blood vessel cell walls, particularly endothelial cells, may be observed. However, Cytokeratin 7 is not expressed by epithelial cells of the gastrointestinal tract, colon or prostate. Keratin 7 is often co expressed with keratin 19.

**Synonyms:** KRT7, KRT-7, SCL, CK-7, CK7, Keratin-7, K7, K-7, Sarcolectin