

Product datasheet for **BP5076**

KRT13 Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunoblotting: 1/3000 (ECL method). Immunohistochemistry on Frozen Sections: 1/200. Immunohistochemistry on Paraffin Sections: 1/100 (after microwave treatment). Immunohistochemistry on Cytological Material. Positive Control: Squamous epithelium of esophagus, gingival, palate, vagina (staining all of the suprabasal layers). Incubation Time: 1h at RT, extended with Paraffin Sections.
Reactivity:	Human, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide (TTSSASVTTTSNA-C) of Human keratin K13 (formerly also designated cytokeratin 13), coupled to KLH.
Specificity:	This antibody recognizes Acidic Human keratin K13 (Mr 55 000). Excellent marker to discriminate non-cornified squamous epithelia (esophagus, vagina, gingival) from those of different origin. Negative on foot sole, scalp. Tumors Specifically Detected: Several squamous cell carcinomas, e.g. cervix carcinoma; transitional cell carcinoma of the bladder; craniopharyngioma.
Formulation:	State: Serum State: Stabilized Liquid 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 13
Database Link:	Entrez Gene 3860 Human P13646



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Background: Cytokeratin 13 is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus.

Synonyms: CK-13, CK13, Keratin-13, KRT13, K13, KRT-13