

BP5076**Polyclonal Antibody to Cytokeratin 13 - Serum**

Alternate names:	CK-13, CK13, K13, KRT-13, KRT13, Keratin type I cytoskeletal 13, Keratin-13
Quantity:	0.1 ml
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.
Uniprot ID:	P13646
NCBI:	NP_002265.2
GeneID:	3860
Host:	Guinea Pig
Immunogen:	Synthetic peptide (TTSSASVTTTSSNA-C) of Human keratin K13 (formerly also designated cytokeratin 13), coupled to KLH.
Format:	State: Stabilized Liquid antiserum Preservatives: 0.09% Sodium Azide Stabilizers: 0.5% BSA
Applications:	Immunoblotting: 1/3000 (ECL method). Immunohistochemistry on Frozen Sections: 1/200. Immunohistochemistry on Paraffin Sections: 1/100 (after microwave treatment). Immunohistochemistry on Cytological Material. <i>Positive Control:</i> Squamous epithelium of esophagus, gingival, palate, vagina (staining all of the suprabasal layers). <i>Incubation Time:</i> 1h at RT, extended with Paraffin Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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.
Species Reactivity:	Tested: Human, Mouse.
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.
Product Citations:	Purchased from Acris: 1. Castillo D, Seidel K, Salcedo E, Ahn C, de Sauvage FJ, Klein OD, et al. Induction of ectopic taste buds by SHH reveals the competency and plasticity of adult lingual epithelium. <i>Development</i> . 2014 Aug;141(15):2993-3002. doi: 10.1242/dev.107631.

Epub 2014 Jul 3. PubMed PMID: 24993944.

2. Castillo-Azofeifa, D;Seidel, K;Gross, L;Jacquez, B;Klein, O;Barlow, L. SOX2 Regulation by Hedgehog Signaling Controls Adult Lingual Epithelium Homeostasis. bioRxiv 2018

General Readings:

1. Moll R, Franke WW, Schiller DL, Geiger B, Krepler R. The catalog of human cytokeratins: patterns of expression in normal epithelia, tumors and cultured cells. Cell. 1982 Nov;31(1):11-24. PubMed PMID: 6186379.