

产品名称: Cytokeratin 17 Rabbit Polyclonal Antibody
产品货号: APRab09734



产品概述 (Summary)

产品名称 (Production Name)	Cytokeratin 17 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	KRT17
别名 (Alternative Names)	KRT17; Keratin; type I cytoskeletal 17; 39.1; Cytokeratin-17; CK-17; Keratin-17; K17
基因 ID (Gene ID)	3872.0
蛋白 ID (SwissProt ID)	Q04695.The antiserum was produced against synthesized peptide derived from human Keratin 17. AA range:381-430

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	48kDa

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研究背景 (Background)

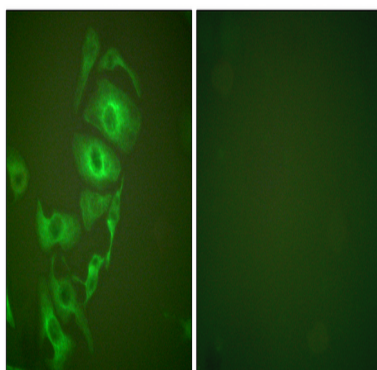
This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008],disease:Defects in KRT17 are a cause of pachyonychia congenita type 2 (PC2) [MIM:167210]; also known as pachyonychia congenita Jackson-Lawler type. PC2 is an autosomal dominant ectodermal dysplasia characterized by hypertrophic nail dystrophy resulting in onychogryposis (thickening and increase in curvature of the nail), palmoplantar keratoderma and hyperhidrosis, follicular hyperkeratosis, multiple epidermal cysts, absent/sparse eyebrow and body hair, and by the presence of natal teeth.,disease:Defects in KRT17 are a cause of steatocystoma multiplex (SM) [MIM:184500]. SM is a disease characterized by round or oval cystic tumors widely distributed on the back, anterior trunk, arms, scrotum, and thighs.,disease:KRT16 and KRT17 are coexpressed only in pathological situations such as metaplasias and carcinomas of the uterine cervix and in psoriasis vulgaris.,function:May play a role in the formation and maintenance of various skin appendages, specifically in determining shape and orientation of hair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial "stem cells". May act as an autoantigen in the immunopathogenesis of psoriasis, with certain peptide regions being a major target for autoreactive T-cells and hence causing their proliferation. Required for the correct growth of hair follicles, in particular for the persistence of the anagen (growth) state. Modulates the function of TNF-alpha in the specific context of hair cycling. Regulates protein synthesis and epithelial cell growth through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway. Involved in tissue repair.,induction:Induced in damaged or stressed epidermis. Induced by the cytokines interferon-gamma (IFN-gamma), tumor necrosis factor alpha (TNF-alpha) and transforming growth factor-alpha (TGF-alpha), and by the potent NF-kappa B inhibitor compounds Bay 11-7082 and Bay 11-7085. Down-regulated by the drug Imatinib.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa),online information:Keratin-17 entry,similarity:Belongs to the intermediate filament family.,subunit:Heterodimer of a type I and a type II keratin. KRT17 associates with KRT6 isomers. Interacts with TRADD and SFN.,tissue specificity:Expressed in the outer root sheath and medulla region of hair follicle specifically from eyebrow and beard, digital pulp, nail matrix and nail bed epithelium, mucosal stratified squamous epithelia and in basal cells of oral epithelium, palmoplantar epidermis and sweat and mammary glands. Also expressed in myoepithelium of prostate, basal layer of urinary bladder, cambial cells of sebaceous gland and in exocervix (at protein level),

研究领域 (Research Area)

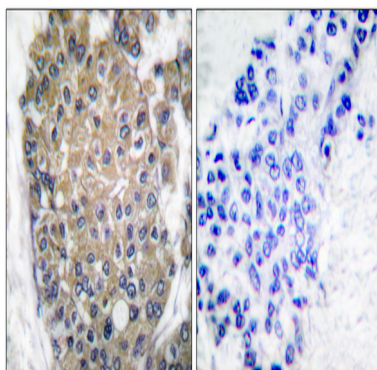
Signal Transduction

图片 (Image Data)

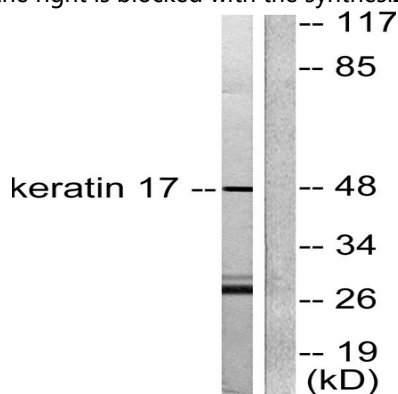
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Immunofluorescence analysis of HepG2 cells, using Keratin 17 Antibody. The picture on the right is blocked with the synthesized peptide.

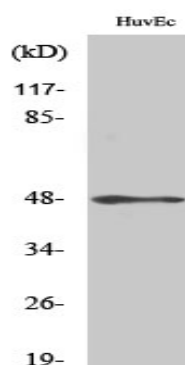


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Keratin 17 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using Keratin 17 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cytokeratin 17 Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

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