

产品名称: Cytokeratin 10 Rabbit Polyclonal Antibody
产品货号: APRab09719



产品概述 (Summary)

产品名称 (Production Name)	Cytokeratin 10 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)	KRT10
别名 (Alternative Names)	KRT10; KPP; Keratin; type I cytoskeletal 10; Cytokeratin-10; CK-10; Keratin-10; K10
基因 ID (Gene ID)	3858.0
蛋白 ID (SwissProt ID)	P13645.The antiserum was produced against synthesized peptide derived from human Keratin 10. AA range:136-185

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)	59kDa

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研究背景 (Background)

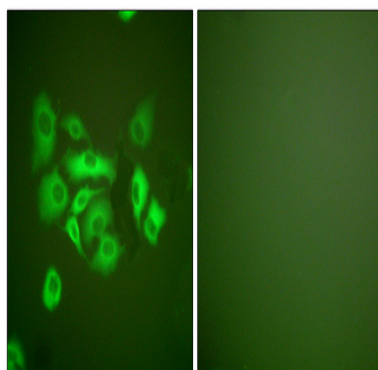
This gene encodes a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21. [provided by RefSeq, Jul 2008],disease:Defects in KRT10 are a cause of bullous congenital ichthyosiform erythroderma (BCIE) [MIM:113800]; also known as epidermolytic hyperkeratosis (EHK) or bullous erythroderma ichthyosiformis congenita of Brocq. BCIE is an autosomal dominant skin disorder characterized by widespread blistering and an ichthyotic erythroderma at birth that persist into adulthood. Histologically there is a diffuse epidermolytic degeneration in the lower spinous layer of the epidermis. Within a few weeks from birth, erythroderma and blister formation diminish and hyperkeratoses develop.,disease:Defects in KRT10 are a cause of epidermal nevus epidermolytic hyperkeratotic type [MIM:600648]. Epidermal nevi affect about 1 in 1,000 people. They appear at or shortly after birth as localized lines of epidermal thickening. The extent of skin involvement varies widely.,disease:Defects in KRT10 are a cause of ichthyosis annular epidermolytic (AEI) [MIM:607602]; also known as cyclic ichthyosis with epidermolytic hyperkeratosis. AEI is a skin disorder resembling bullous congenital ichthyosiform erythroderma. Affected individuals present with bullous ichthyosis in early childhood and hyperkeratotic lichenified plaques in the flexural areas and extensor surfaces at later ages. The feature that distinguishes AEI from BCIE is dramatic episodes of flares of annular polycyclic plaques with scale, which coalesce to involve most of the body surface and can persist for several weeks or even months.,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-10 entry,polymorphism:A number of alleles are known that mainly differ in the Gly-rich region (positions 490-560),similarity:Belongs to the intermediate filament family,subunit:Heterotetramer of two type I and two type II keratins. keratin-10 is generally associated with keratin-1.,tissue specificity:Seen in all suprabasal cell layers including stratum corneum.,

研究领域 (Research Area)

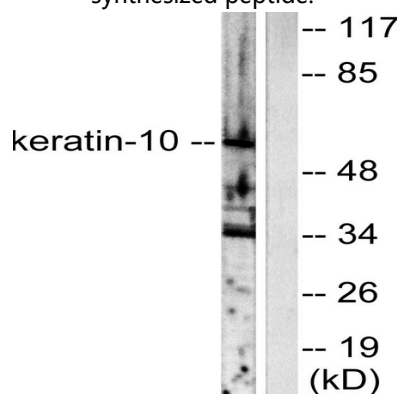
Cell Biology

图片 (Image Data)

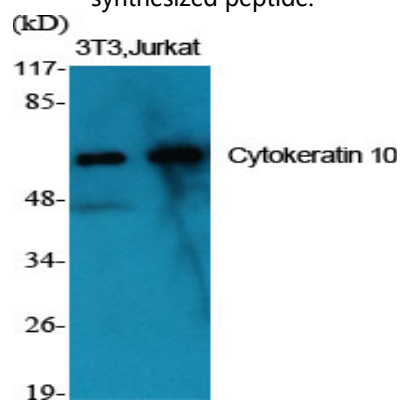
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Immunofluorescence analysis of A549 cells, using Keratin 10 Antibody. The picture on the right is blocked with the synthesized peptide.

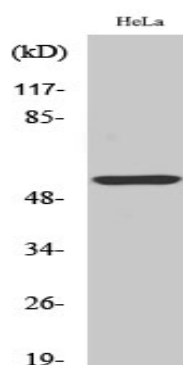


Western blot analysis of lysates from HeLa cells, using Keratin 10 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Cytokeratin 10 Polyclonal Antibody

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Western Blot analysis of HeLa cells using Cytokeratin 10 Polyclonal Antibody

注意事项 (Note)

For research use only .