

**产品名称: Cytokeratin 8 Rabbit Polyclonal Antibody**  
**产品货号: APRab09759**



## 产品概述 (Summary)

|                        |                                          |
|------------------------|------------------------------------------|
| 产品名称 (Production Name) | Cytokeratin 8 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,Monkey                       |

## 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)        | KRT8                                                                                                       |
| 别名 (Alternative Names) | KRT8; CYK8; Keratin; type II cytoskeletal 8; Cytokeratin-8; CK-8; Keratin-8; K8; Type-II keratin Kb8       |
| 基因 ID (Gene ID)        | 3856.0                                                                                                     |
| 蛋白 ID (SwissProt ID)   | P05787.The antiserum was produced against synthesized peptide derived from human Keratin 8. AA range:41-90 |

## 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 1:20000-1:40000 |
| 蛋白分子量 (Molecular Weight) | 52kDa                                                                     |

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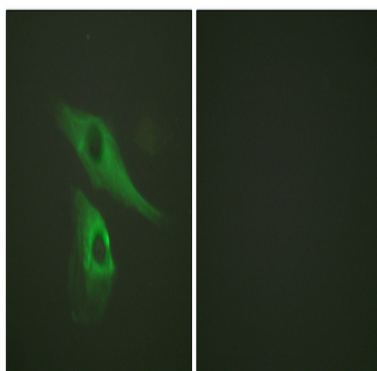
## 研究背景 (Background)

keratin 8(KRT8) Homo sapiens This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012],disease:Defects in KRT8 are a cause of cryptogenic cirrhosis [MIM:215600],function:Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa),PTM:O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.,PTM:Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. keratin-8 associates with keratin-18. Associates with KRT20. Interacts with HCV core protein and PNN. When associated with KRT19, interacts with DMD. Interacts with TCHP.,tissue specificity:Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.,

## 研究领域 (Research Area)

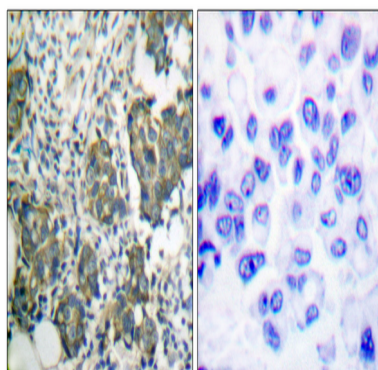
Signal Transduction

## 图片 (Image Data)

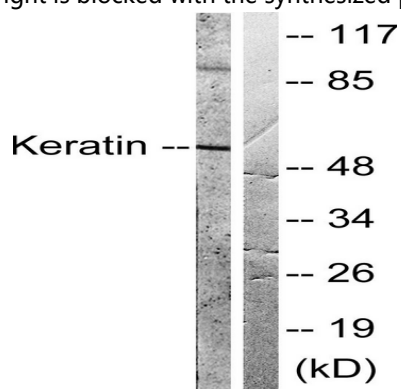


Immunofluorescence analysis of HeLa cells, using Keratin 8 Antibody. The picture on the right is blocked with the synthesized peptide.

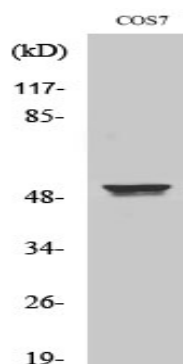
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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Keratin 8 Antibody. The picture on the right is blocked with the synthesized peptide.

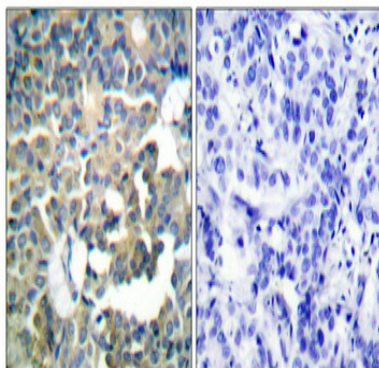


Western blot analysis of lysates from HeLa cells, treated with Anisomycin 25ug/ml 30', using Keratin 8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Cytokeratin 8 Polyclonal Antibody diluted at 1: 500

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Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°,overnight) .  
High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from  
antibody was pre-absorbed by immunogen peptide.

#### **注意事项 (Note)**

For research use only .