

# Cytokeratin 8 (Acetyl Lys483) Rabbit pAb

CatalogNo: YK0031

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, ELISA

### MW

- 53kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC: 1:100-300**

**ELISA 1:20000**

**IF 1:50-200**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized Acetyl-peptide derived from human K8 around the Acetylation site of Lys483. AA range:434-483

## Specificity

Acetyl-Cytokeratin 8 (K483) Polyclonal Antibody detects endogenous levels of Cytokeratin 8 protein only when acetylated at K483. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):DVLPK

## Target Information

**Gene name** KRT8 CYK8

**Protein Name** CARD2;CK 8;CK-8;CK8;CYK8;CYKER;Cytokeratin endo A;Cytokeratin-8;DreK8;EndoA;K2C8;K2C8\_HUMAN;K8;Keratin 8;Keratin type II cytoskeletal 8;Keratin, type II cytoskeletal 8;Keratin-8;KO;Krt 2.8;KRT8;MGC118110;MGC174782;MGC53564;MGC85764;sb:cb186;Type-II keratin Kb8

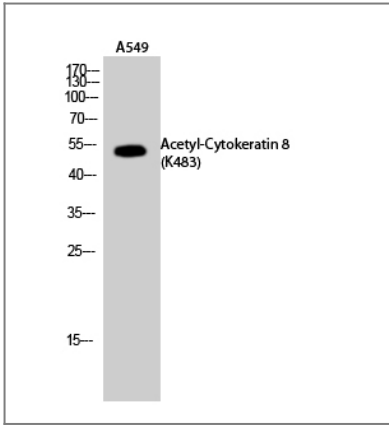
| Organism | Gene ID                 | UniProt ID               |
|----------|-------------------------|--------------------------|
| Human    | <a href="#">3856</a> ;  | <a href="#">P05787</a> ; |
| Mouse    | <a href="#">16691</a> ; | <a href="#">P11679</a> ; |
| Rat      | <a href="#">25626</a> ; | <a href="#">Q10758</a> ; |

**Cellular Localization** Cytoplasm . Nucleus , nucleoplasm . Nucleus matrix .

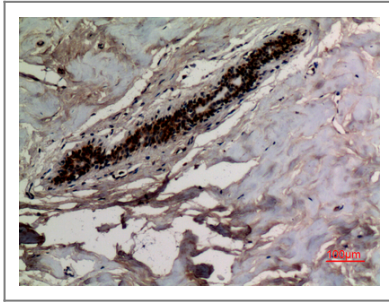
**Tissue specificity** Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

**Function** 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. ,

## Validation Data



Western Blot analysis of A549 cells using Acetyl-Cytokeratin 8 (K483) Polyclonal Antibody. Secondary antibody (catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-breast, antibody was diluted at 1:100

## Contact information

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Please scan the QR code to access additional product information:  
**Cytokeratin 8**  
**(Acetyl Lys483)**  
**Rabbit pAb**

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