

# Cytokeratin 19 (PT0427R) PT™ Rabbit mAb (AbFluor 647)

CatalogNo: YM2220 **Recombinant** 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- IF,

### MW

- 40kD (Calculated)  
40kD (Observed)

### Isotype

- IgG, Kappa

### Conjugate

- AbFluor 647

## Recommended Dilution Ratios

IF 1:100-500

## Storage

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

**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

## Basic Information

**Clonality** Monoclonal

**Clone Number** PT0427R

## Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** KRT19

**Protein Name** Keratin type I cytoskeletal 19

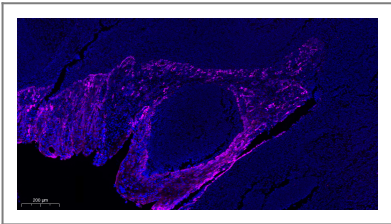
Organism	Gene ID	UniProt ID
Human	<a href="#">3880</a> ;	<a href="#">P08727</a> ;
Mouse	<a href="#">16669</a> ;	<a href="#">P19001</a> ;
Rat	<a href="#">360626</a> ;	<a href="#">Q63279</a> ;

**Cellular Localization** Cytoplasm

**Tissue specificity** Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.

**Function** developmental stage:Present in hair follicles at all stages of development.,Domain:This keratin differs from all other IF proteins in lacking the C-terminal tail domain.,Function:Involved in the organization of myofibers. Together with KRT8, 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).,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. Interacts with PNN and the actin-binding domain of DMD. Interacts with HCV core protein.,tissue specificity:Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.,

## Validation Data



Immunofluorescence analysis of human tonsil. 1,primary Antibody was diluted at 1:100(4~C overnight).

## | Contact information

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Please scan the QR code to access additional product information:

**Cytokeratin 19  
(PT0427R) PT™  
Rabbit mAb  
(AbFluor 647)**

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