

Cytokeratin 19 (ANT0027R) Rabbit mAb

CatalogNo: ANT8269 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 40kD (Calculated)
- 40kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:400-1:2000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

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

Basic Information

Clonality Monoclonal

Clone Number ANT0027R

Target Information

Endogenous

Gene name KRT19
Protein Name Keratin type I cytoskeletal 19

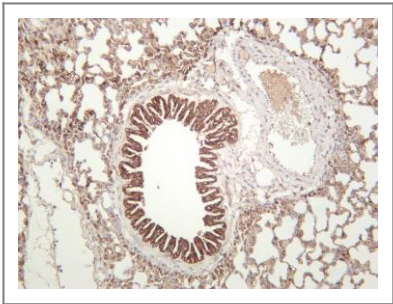
Organism	Gene ID	UniProt ID
Human	3880 ;	P08727 ;
Mouse	16669 ;	P19001 ;
Rat	360626 ;	Q63279 ;

Cellular Localization Cytoplasm

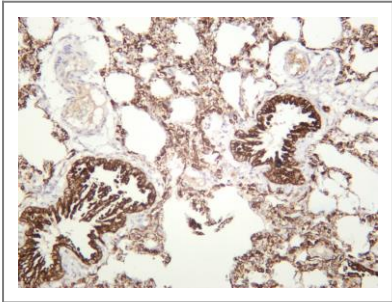
Tissue specificity Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (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.,

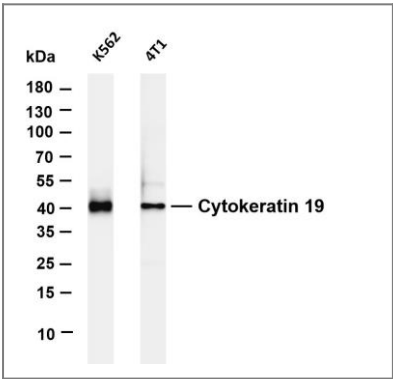
Validation Data



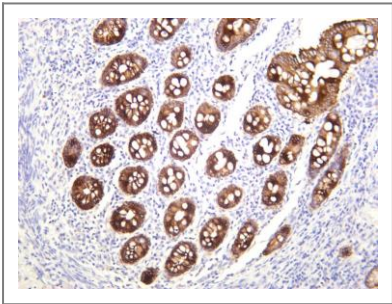
Mouse lung was stained with anti-Cytokeratin 19 (ANT0027R) rabbit antibody



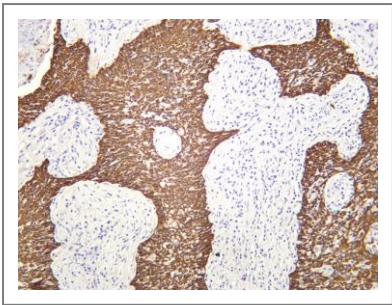
Rat lung was stained with anti-Cytokeratin 19 (ANT0027R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cytokeratin 19 (ANT0027R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: 4T1 Predicted band size: 40kDa Observed band size: 40kDa



Human colon carcinoma was stained with anti-Cytokeratin 19 (ANT0027R) rabbit antibody



Human lung was stained with anti-Cytokeratin 19 (ANT0027R) rabbit antibody

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Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com