



# Cytokeratin 19&10 (ABT493) Mouse mAb

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| Catalog No         | BYab-15153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity         | Human; Predict react with Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applications       | IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name          | KRT19 KRT10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Name       | Keratin, type I cytoskeletal 19/10 (Cytokeratin-19/10) (CK-19/10) (Keratin-19/10) (K19/10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen          | Synthesized peptide derived from human Cytokeratin 19&10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity        | The antibody can recognize human CK10 and CK19 protein, and shows no cross reaction with CK1, 5, 6, 7, 8, 13, 14, 15, 17, 18, 20.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formulation        | PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source             | Mouse, Monoclonal/IgG1, Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purification       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dilution           | IHC-p 1:200-400, WB: 500-1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Synonyms           | 40 kDa keratin intermediate filament;CK 19;CK-19;CK19;Cytokeratin 19;Cytokeratin-19;K19;K1C19_HUMAN;K1CS;Keratin 19;Keratin type I 40 kD;Keratin type I 40kD;Keratin type I cytoskeletal 19;Keratin, type I cytoskeletal 19;Keratin, type I, 40 kd;Keratin-19;KRT19;MGC15366                                                                                                                                                                                                                                                                                                                                                  |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cell Pathway       | Cytoplasmic, Membranous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tissue Specificity | Kindeg/ Skin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 |

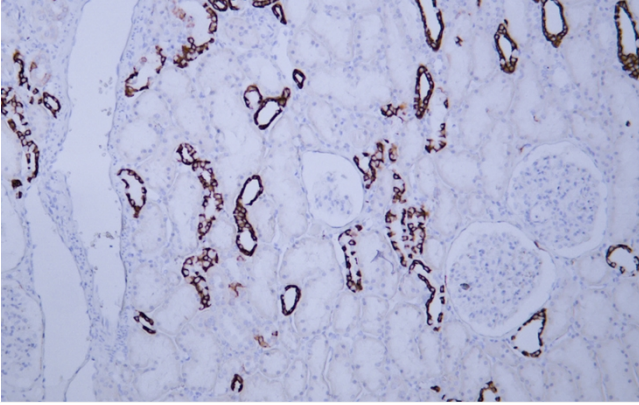
Nanjing BYabscience technology Co.,Ltd



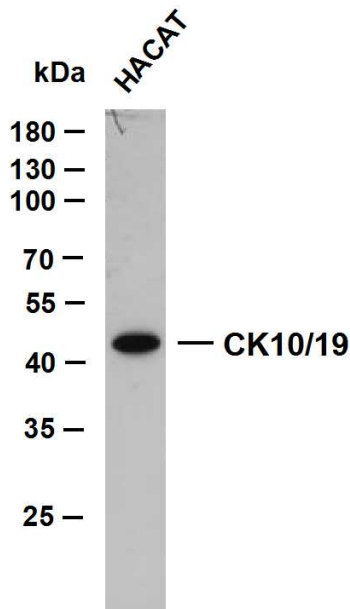
|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | 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                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Background</b>                | The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008], |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Usage suggestions</b>         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



## Products Images



Human kidney tissue was stained with Anti-Cytokeratin 19&10 (ABT493) Antibody



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CK10/19 (ABT493)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HACAT Predicted band size: 44kDa Observed band size: 44kDa