



# Cytokeratin 19&10 (ABT493) Mouse mAb

<b>Catalog No</b>	YP-Ab-15153
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Predict react with Mouse, Rat
<b>Applications</b>	IHC, WB
<b>Gene Name</b>	KRT19 KRT10
<b>Protein Name</b>	Keratin, type I cytoskeletal 19/10 (Cytokeratin-19/10) (CK-19/10) (Keratin-19/10) (K19/10)
<b>Immunogen</b>	Synthesized peptide derived from human Cytokeratin 19&10
<b>Specificity</b>	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.
<b>Formulation</b>	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
<b>Source</b>	Mouse, Monoclonal/IgG1, Kappa
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	IHC-p 1:200-400, WB: 500-1000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasmic, Membranous
<b>Tissue Specificity</b>	Kindney/ Skin
<b>Function</b>	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, gastrointestin



### Background

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 envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008],

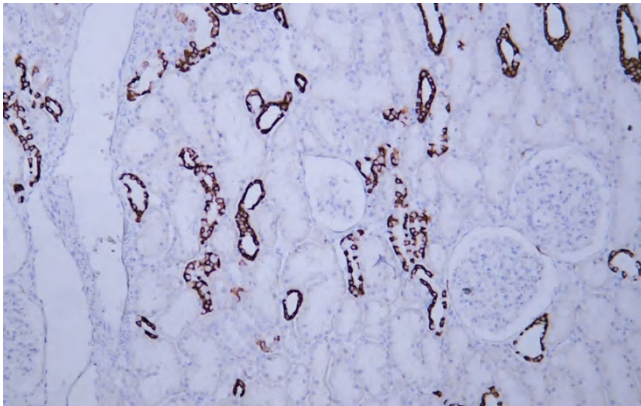
### matters needing attention

Avoid repeated freezing and thawing!

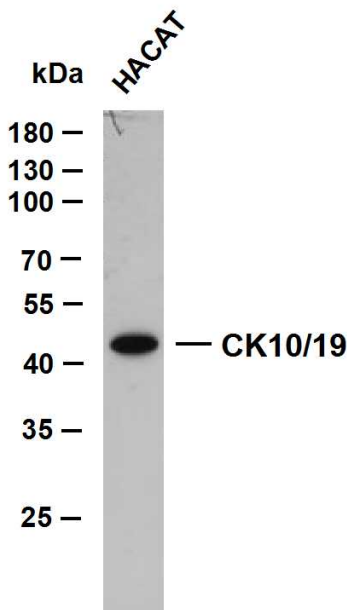
### Usage suggestions

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