



Cytokeratin 19&10 (ABT493) Mouse mAb

Catalog No	YP-Ab-15153
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC, WB
Gene Name	KRT19 KRT10
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	Cytokeratin 19/10; KRT19 KRT10; Keratin; type I cytoskeletal 19/10 (Cytokeratin-19/10) (CK-19/10) (Keratin-19/10) (K19/10); 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; type I cytoskeletal 19; type I; 40 kd; Keratin-19; KRT19; MGC15366
Observed Band	
Calculated Molecular Weight	
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 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 envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008],

matters needing attention

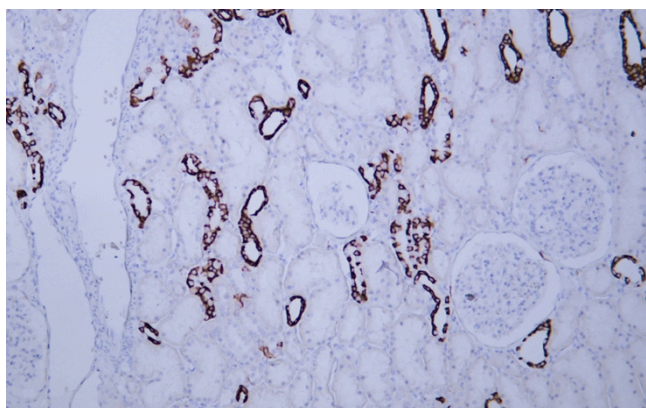
Avoid repeated freezing and thawing!

Usage suggestions

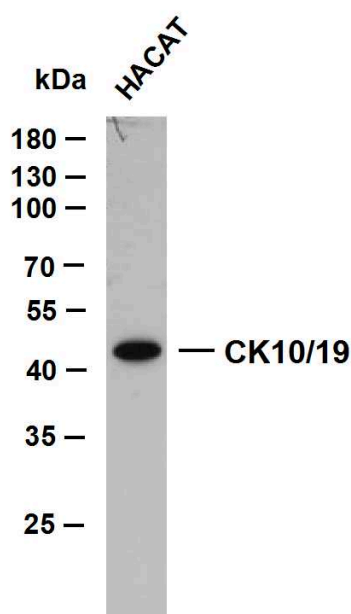
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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