

CK17 Monoclonal Antibody(10A1)

Catalog # AP63335

Specification

CK17 Monoclonal Antibody(10A1) - Product Information

Application WB, IHC-P, IF, IP
Primary Accession
Reactivity Human
Host Mouse
Clonality Monoclonal

CK17 Monoclonal Antibody(10A1) - Additional Information

Gene ID 3872

Other Names

KRT17; Keratin, type I cytoskeletal 17; 39.1; Cytokeratin-17; CK-17; Keratin-17; K17

Dilution

WB~~WB: 1:1000 IP:1:200 IF 1:200 IHC 1:50-300

IHC-P~~N/A

IF~~WB: 1:1000 IP:1:200 IF 1:200 IHC 1:50-300

 $IP \sim \sim N/A$

Format

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

CK17 Monoclonal Antibody(10A1) - Protein Information

Name KRT17

Function

Type I keratin involved in the formation and maintenance of various skin appendages, specifically in determining shape and orientation of hair (By similarity). Required for the correct growth of hair follicles, in particular for the persistence of the anagen (growth) state (By similarity). Modulates the function of TNF-alpha in the specific context of hair cycling. Regulates protein synthesis and epithelial cell growth through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway (By similarity). Involved in tissue repair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial 'stem cells'. Acts as a promoter of epithelial proliferation by acting a regulator of immune response in skin: promotes Th1/Th17-dominated immune environment contributing to the development of basaloid skin tumors (By similarity). May act as an autoantigen in the immunopathogenesis of psoriasis, with certain peptide regions being a major target for autoreactive T-cells and hence causing their proliferation.



Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9QWL7}.

Tissue Location

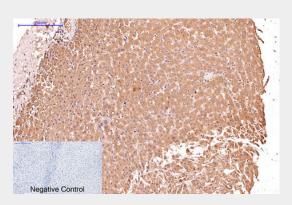
Expressed in the outer root sheath and medulla region of hair follicle specifically from eyebrow and beard, digital pulp, nail matrix and nail bed epithelium, mucosal stratified squamous epithelia and in basal cells of oral epithelium, palmoplantar epidermis and sweat and mammary glands. Also expressed in myoepithelium of prostate, basal layer of urinary bladder, cambial cells of sebaceous gland and in exocervix (at protein level)

CK17 Monoclonal Antibody(10A1) - Protocols

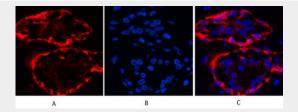
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CK17 Monoclonal Antibody(10A1) - Images

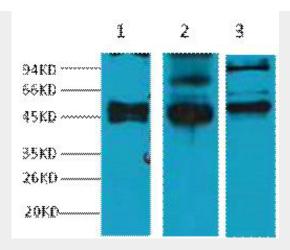


Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,CK17 Monoclonal Antibody(10A1) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-breast tissue. 1,CK17 Monoclonal Antibody(10A1)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

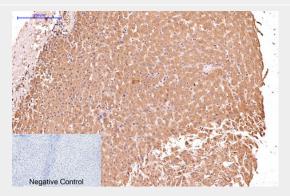




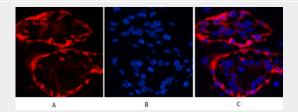
Western blot analysis of 1) Hela, 2) MCF7, 3) 293T, diluted at 1:2000.



1) Input: Hela Cell Lysate 2) IP product: IP dilute 1:200

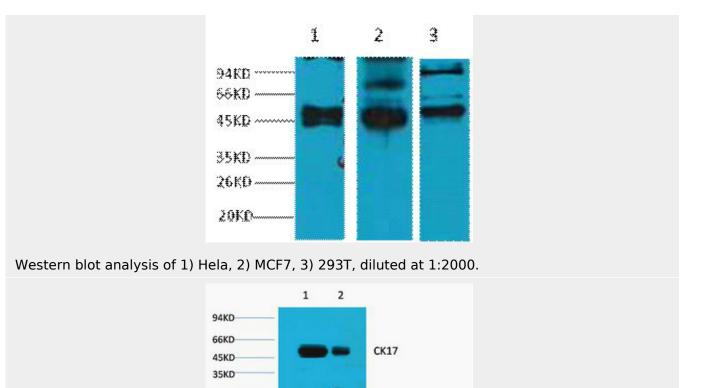


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Light Chain Specific

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26KD

20KD

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