

Cytokeratin 17 Polyclonal Antibody

Catalog # AP69448

Specification

Cytokeratin 17 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality

WB, IHC-P, IF 004695 Human, Mouse, Rat Rabbit **Polyclonal**

Cytokeratin 17 Polyclonal Antibody - Additional Information

Gene ID 3872

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cytokeratin 17 Polyclonal Antibody - 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

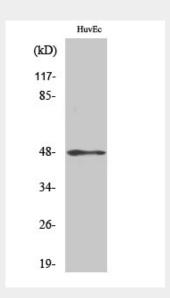
Expressed in the outer root sheath and medulla region of hair follicle specifically from eyebrow and beard, digital pulp, nail matrix and nail bed epithelium, mucosal stratified squamous epithelia and in basal cells of oral epithelium, palmoplantar epidermis and sweat and mammary glands. Also expressed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

Cytokeratin 17 Polyclonal Antibody - Protocols

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

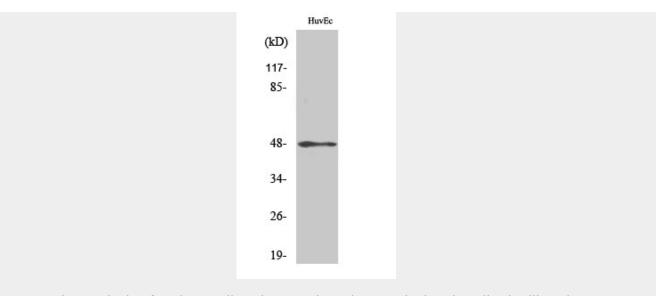
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cytokeratin 17 Polyclonal Antibody - Images



Western Blot analysis of various cells using Cytokeratin 17 Polyclonal Antibody diluted at 1□2000





Western Blot analysis of various cells using Cytokeratin 17 Polyclonal Antibody diluted at 1□2000

Cytokeratin 17 Polyclonal Antibody - Background

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