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KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10)

Mouse Monoclonal Antibody
Catalog # ALS14396

Specification

KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - Product Information

Application	**WB, IHC**
Primary Accession	Q04695
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**48kDa KDa**

KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - Additional Information

Gene ID 3872

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

Target/Specificity
Human KRT17

Reconstitution & Storage
Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions
KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - 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}.

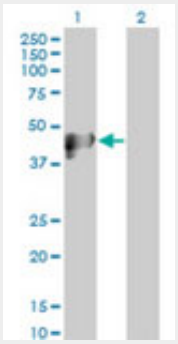
Tissue Location
Expressed in the outer root sheath and medulla region of hair follicle specifically from eyebrow and beard, digital pulp, nail matrix and nail bed epithelium, mucosal stratified squamous epithelia and in basal cells of oral epithelium, palmoplantar epidermis and sweat and mammary glands.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

KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - Protocols

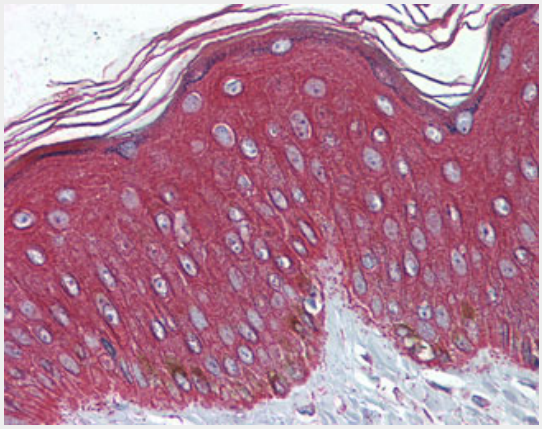
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - Images



Western blot of KRT17 expression in transfected 293T cell line by KRT17 monoclonal antibody.



Anti-KRT17 / Cytokeratin 17 antibody IHC of human skin.

KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - Background

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KRT17 / CK17 / Cytokeratin 17 Antibody (clone 2D10) - References

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