

# KD-Validated Anti-Keratin 17 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1569

## Product Information

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| <b>Application</b>       | WB, FC, ICC                                                                                                                          |
| <b>Primary Accession</b> | <a href="#">Q04695</a>                                                                                                               |
| <b>Reactivity</b>        | Human                                                                                                                                |
| <b>Clonality</b>         | Monoclonal                                                                                                                           |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                           |
| <b>Clone Names</b>       | 23GB6535                                                                                                                             |
| <b>Calculated MW</b>     | 48106                                                                                                                                |
| <b>Gene Name</b>         | KRT17                                                                                                                                |
| <b>Aliases</b>           | KRT17; Keratin 17; Keratin, Type I Cytoskeletal 17; Keratin 17, Type I; Cytokeratin-17; CK-17; PCHC1; 39.1; K17; Keratin-17; PC2; PC |
| <b>Immunogen</b>         | A synthesized peptide derived from human Cytokeratin 17                                                                              |

## Additional Information

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| <b>Gene ID</b>     | 3872                                                                                 |
| <b>Other Names</b> | Keratin, type I cytoskeletal 17, 39.1, Cytokeratin-17, CK-17, Keratin-17, K17, KRT17 |

## Protein Information

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| <b>Name</b>              | KRT17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Function</b>          | 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 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. |
| <b>Cellular Location</b> | Cytoplasm {ECO:0000250 UniProtKB:Q9QWL7}.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue Location</b>   | 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)

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