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CK17 antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AD80525

Product Information

Application	IHC
Primary Accession	Q04695
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	563Y2R8
Calculated MW	48106

Additional Information

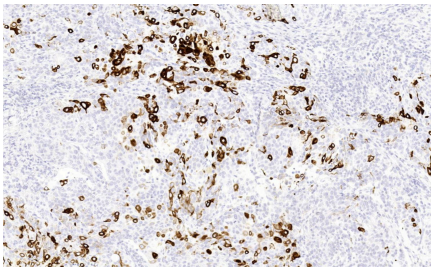
Gene ID	3872
Other Names	Keratin, type I cytoskeletal 17, 39.1, Cytokeratin-17, CK-17, Keratin-17, K17, KRT17
Dilution	IHC~~1:100~500
Storage	Maintain refrigerated at 2-8°C.

Protein Information

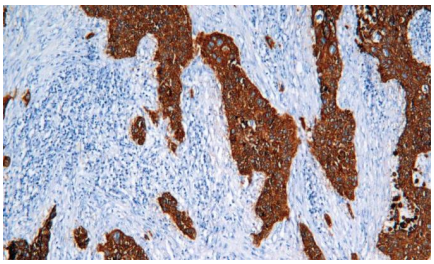
Name	KRT17 (HGNC:6427)
Function	Structural component of intermediate filaments in epithelial keratinocytes. Forms heteropolymers with type II keratins KRT6A and KRT6B, assembling into keratin filament networks that contribute to the structural integrity and specialized differentiation of various epithelial appendages, including nail and hair follicle (PubMed:10844551, PubMed:11886499, PubMed:16620218, PubMed:17719747, PubMed:7539673). 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 (By similarity). 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 (By similarity). Promotes 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 (PubMed:15795121, PubMed:16713453).
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)

Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human lung squamous cell carcinoma tissue was performed with CK17 primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human lung squamous cell carcinoma tissue was performed with CK17 primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.