

Product datasheet for **AM06354SU-N**

Cytokeratin 17 (KRT17) Mouse Monoclonal Antibody [Clone ID: 3B12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3B12
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of CK17 expressed in E. Coli.
Specificity:	Recognizes Cytokeratin 17
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	49 kDa
Gene Name:	keratin 17
Database Link:	Entrez Gene 3872 Human Q04695



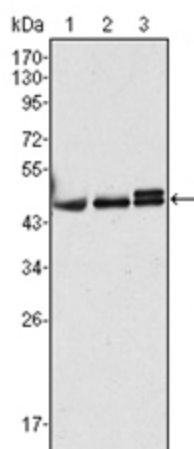
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Background:

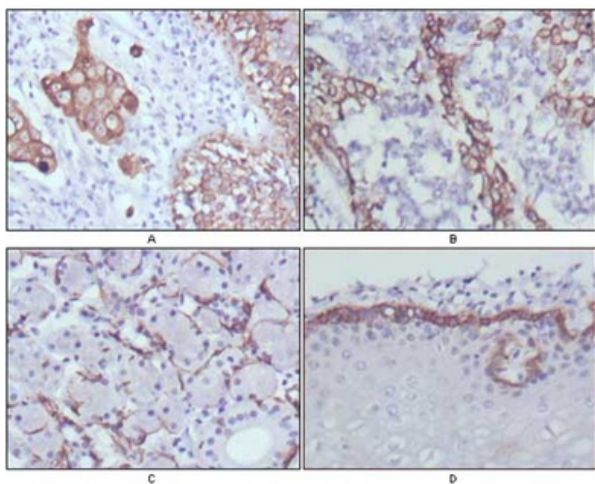
CK17, also known as KRT17, it is the type I intermediate filament chain keratin 17. It is found in nail beds, hair follicles, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. May play a role in the formation and maintenance of various skin appendages, specifically in determining shape and orientation of hair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial "stem cells". 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. Required for the correct growth of hair follicles, in particular for the persistence of the anagen (growth) state. 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. Involved in tissue repair.

Synonyms:

Cytokeratin-17, Keratin-17, Keratin 17, KRT17, CK17, K17

Product images:

Western blot analysis using Cytokeratin 17 antibody Cat.-No AM06354SU-N against HeLa (Lane 1), MCF-7 (Lane 2) and A431 (Lane 3) cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), endometrial carcinoma (B), sublingual gland (C) and esophagus (D) tissues using Cytokeratin 17 antibody Cat.-No AM06354SU-N with DAB staining.