
CK17 (3B12) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252903

Unit: 0.1 ml

Description:

CK17 (Cytokeratin-17) 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- α 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.

Isotype: Mouse IgG2b

Applications: WB, IHC

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Keratin, type I cytoskeletal 17; 39.1; Cytokeratin-17; Keratin-17; K17; KRT17

Accession No.: Q04695

Antigen: Purified recombinant fragment of CK17 expressed in *E. coli*.

Application Notes: WB: 1:500-1:2000; IHC: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.