

Cytokeratin 5/6 (ABT-CK5/052) IHC kit

CatalogNo: IHCM6135

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC

Isotype

- IgG2a,Kappa

Recommended Dilution Ratios

Storage

Storage* 2°C to 8°C/1 year

Basic Information

Clonality Monoclonal

Clone Number ABT-CK5/052

Immunogen Information

Immunogen Synthesized peptide derived from human Cytokeratin 5 and Cytokeratin 6 AA range: C terminal amino acids 500-590 of Cytokeratin 5 and N terminal amino acids 2-100 of Cytokeratin 6

Specificity The antibody can recognize both human CK5 and CK6 protein, and shows no cross reaction with other types of cytokeratin.

Target Information

Gene name KRT5 KRT6A KRT6B KRT6C

Protein Name Keratin; type II cytoskeletal 5 ; 58 kDa
cytokeratin; Cytokeratin-5; CK-5; Keratin-5; K5; Type-II keratin Kb5; type II cytoskeletal 6A;Cytokeratin-6A; CK-6A; Keratin-6A; K6A; Type-II keratin Kb6; allergen Hom s 5; type II cytoskeletal 6B;Cytokeratin-6B; CK-6B; Keratin-6B; K6B; type II cytoskeletal 6C;Cytokeratin-6C; CK-6C; Keratin-6C; K6C

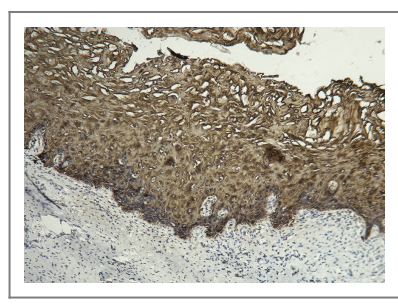
Organism	Gene ID	UniProt ID
Human	3852 ;	P13647 ; P02538 ; P04259 ; P48668 ;

Cellular Localization Cytoplasmic, Membranous

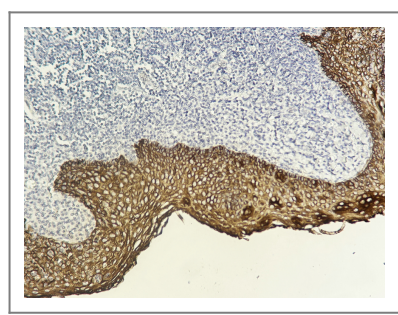
Tissue specificity Expressed in corneal epithelium (at protein level).

Function Function: Required for the formation of keratin intermediate filaments in the basal epidermis and maintenance of the skin barrier in response to mechanical stress (By similarity). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By similarity). Epidermis-specific type I keratin involved in wound healing. Involved in the activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair.

Validation Data



Human cervix tissue was stained with anti-Cytokeratin 5/6 (ABT-CK5/052) Antibody



Human tonsil tissue was stained with anti-Cytokeratin 5/6 (ABT-CK5/052) Antibody

Contact information

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product information:
**Cytokeratin 5/6
(ABT-CK5/052) IHC
kit**

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