

Cytokeratin 14 Recombinant antibody

Cat:B32041R
Company: Haokebio

Uniprot ID:P02533

Applications: IHC:1:100-1:200

Organism:Rabbit

IHC-Polymer:1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Background:

CK14 (Cytokeratin 14) is a member of the type I keratin family of intermediate filament proteins. It always pairs with type II keratin CK5 to form the fundamental keratin of keratinocytes in stratified squamous epithelium, including the epidermis and non-keratinized stratified squamous epithelial mucosa. CK14 is highly expressed in the undifferentiated basal cell layer containing stem cells, while it is downregulated in the differentiated basal cell layer. In contrast, CK14 is expressed in all cell layers of the widely distributed stratified outer root sheath of hair follicles. The expression profiles of CK14 are consistent in normal epithelium and tumors. Therefore, most squamous cell carcinomas and malignant mesotheliomas highly express this keratin, whereas its expression is rare or even absent in adenocarcinomas. CK14 may serve as a useful marker for the differential diagnosis of squamous cell carcinomas from other epithelial tumors. Recent studies also indicate that the expression of CK14 in breast cancer is consistent with certain clinical outcomes, and CK14 may have diagnostic value in the classification of NSCLC (non-small cell lung cancer).

Protein full name:

keratin 14

Synonyms:

KRT14, keratin 14, Cytokeratin-14, Cytokeratin, Keratin, CK-14

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

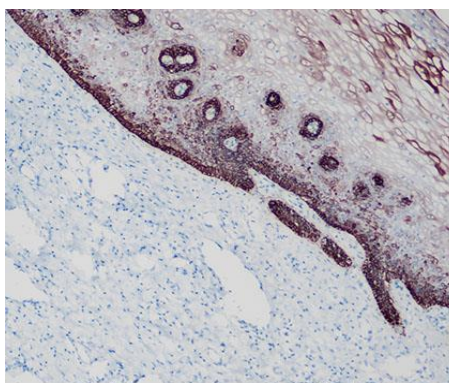
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Human esophagus tissue, 4% PFA 12-24h

Source of Reagents:

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