P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

Cytokeratin 6; Clone EP67
(Ready-To-Use)

Availability/Contents:

Item #	Volume
A00140-0002	2 ml
A00140-0007	7 ml
A00140-0025	25 ml

Description:

Species:	Rabbit
Designation:	Rabbit Monoclonal
Clone:	EP67
Isotype:	IgG
Immunogen:	Rabbits were injected with a synthetic peptide corresponding to residues on the C-terminus of human Cytokeratin 6.
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	Cytokeratin 6 is expressed in many non-keratinizing stratified squamous epithelia of large cell carcinoma and pulmonary squamous cell carcinomas. It can also be found on stratified epithelia including: basal layer of epidermis, the outer root sheath of hair follicles, esophagus, oral mucosa, as well as basal cells in prostate glands and myoepithelial cells in mammary glands.
Background:	The human type II Cytokeratin 6 (CK6) is expressed in a heterogeneous array of epithelial tissues under normal conditions, but is better known for its strong induction in stratified epithelia that feature an enhanced cell proliferation rate or abnormal differentiation. In humans, multiple isoforms of Cytokeratin 6 encoded by several highly homologous genes have been identified which have distinct tissue expression patterns. Cytokeratin 6A is the dominant form in epithelial tissue. The gene encoding human Cytokeratin 6A maps to chromosome 12q13. Mutations to this gene are linked to several inheritable hair and skin disorders (psoriasis and actinic keratosis) and in cancer.
Species Reactivity:	Human. Others not tested.
Positive Control:	Skin for normal tissue and Mesothelioma for abnormal tissue.
Cellular Localization:	Cytoplasm and Cell Surface.
Titer/Working Dilution:	No further dilution is required.
Microbiological State:	This product is not sterile.

Storage: 2° C  8° C

 ScyTek Laboratories, Inc.
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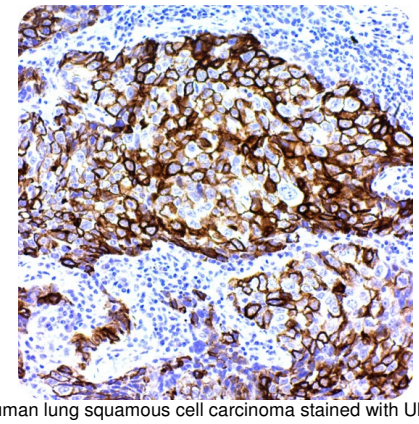
Uses/Limitations:

Not to be taken internally.
For Research Use Only.
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
Do not use if reagent becomes cloudy.
Do not use past expiration date.
Non-Sterile.

Ordering Information and Current Pricing at www.scytek.com



Human lung squamous cell carcinoma stained with Ultra-Tek HRP and DAB Chromogen.

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).

2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

3. **Visualization:** For maximum staining intensity we recommend the "UltraTek HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# UHP125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions:

Contains Sodium Azide as a preservative (0.09% w/v).
Do not pipette by mouth.
Avoid contact of reagents and specimens with skin and mucous membranes.
Avoid microbial contamination of reagents or increased nonspecific staining may occur.
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. Rice, R.H., et al. PloS One 2013;8:e75355.
2. Saad, R.S., et al. Diagn Cytopathol 2006, 34:801-806.
3. King, J.E., et al. Histopathology 2006, 48:223-232.
4. Rabban, J.T., et al. Human Pathol 2006, 37:787-793.
5. Wong, P., et al. J Cell Biol 2000, 150(4):921-928.
6. Mommers, J.M., et al. Dermatology 2000, 201:15-20.
7. Takahashi, K., et al. J Biol Chem 1995, 270(31):18581-18592.

Note: Cytokeratin 6 bearing EP Clone EP67 is Manufactured using Epitomics's RabMAb® technology under U.S. Patent Nos. 5,675,063 and 7,402,409.

Storage: 2° C 8° C

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