

Cytokeratin 5 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50016

Clone# BP6021

Predicted Molecular Wt: 62kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P13647

Background:

Cytokeratin 5 is a basic protein that is closely related to cytokeratin 6. They share similar tissue distribution and are found in various proportions in many non-keratinizing stratified squamous epithelia eg. tongue mucosa, as well as in basal epithelia of trachea, basal cells of epidermis, hair follicles, sebaceous and sweat glands of skin, luminal cells of the mammary gland, basal cells of prostate, urothelium, vagina and endocervical mucosa. Cytokeratins 5 and 6 are also expressed in basal cell epitheliomas, squamous cell carcinomas of skin, tongue, epiglottis and of the rectal-anal region. Point mutations in the cytokeratin 5 gene at locus 12q11-q13 can cause various types of epidermolysis bullosa simplex.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skin tissue labelling cytokeratin 5 with BP6021. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide according to the aa490-590 (C-terminal) of cytokeratin 5 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Mukhopadhyay S., et.al. Am J Surg Pathol. 2011 Jan; 35(1):15-25.
2. Kargi A, Gurel D., et.al. Appl Immunohistochem Mol Morphol. 2007 Dec; 15(4):415-20.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.