

Cytokeratin 10 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50052

Clone# BP6057

Predicted Molecular Wt: 59kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P13645

Background:

Cytokeratin 10 is a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Cytokeratin 10 can specifically inhibit proliferation and cell cycle progression of keratinocytes.

Cytokeratin 10 is usually expressed in suprabasal keratinocytes and can also be seen in suprabasal cells of internal noncornifying, stratified squamous epithelia. In addition, cytokeratin 10 is reported to be a typical component of cells of eccrine sweat gland ducts and sebaceous cells. Cytokeratin 10 was found to be sparse in poorly differentiated squamous cell carcinoma, even though it has been reported that focal cytokeratin 10 expression has been found in 50% of cases of oral and pharyngeal squamous cell carcinoma.

Cytokeratin 10 has demonstrated utility in the differentiation of extra-mammary Paget's disease (negative) from basal cell carcinoma and squamous cell carcinoma (positive).

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 corresponding to Cytokeratin 10 residues within aa484-584 of Cytokeratin 10 was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

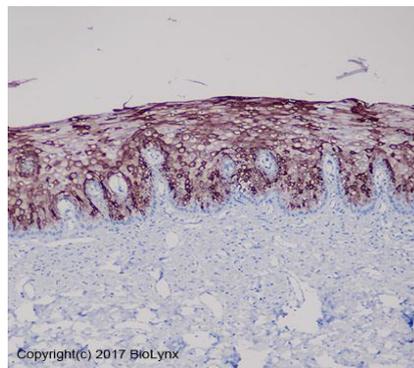
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Moll R et al. Histochem Cell Biol. 2008 Jun;129(6):705-33.
2. Moll R et al. Cell. 1982 Nov;31(1):11-24.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of cervix tissue labelling Cytokeratin 10 with BP6057. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

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