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Rev.: 2018/12/5

Type I Cytokeratins Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50046
Clone# BP6051

Predicted Molecular Wt: 60/53/51/45/40kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid

Background:

The keratins are the typical intermediate filament proteins of epithelia, showing an outstanding degree of molecular diversity. Heteropolymeric filaments are formed by pairing of type I and type II molecules. In humans 54 functional keratin genes exist. They are expressed in highly specific patterns related to the epithelial type and stage of cellular differentiation.

This antibody can detect high molecular weight CK10, CK14, CK15 and CK16 and low molecular weight CK19. It usually used in a cytokeratin cocktail with type II cytokeratin antibody.

Subcellular location:
Cytoplasm

Recommended retrieval method:
Heat induced epitope retrieval with Tris-EDTA buffer, pH 9.0

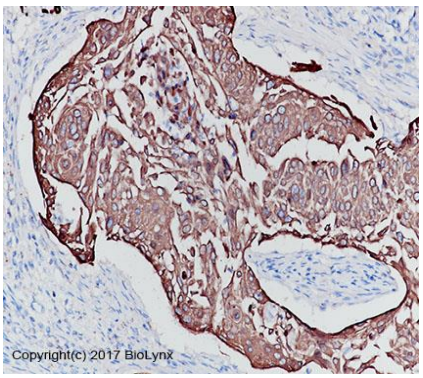
Immunogen:
Synthetic peptide corresponding to Type I Cytokeratins residues within aa100-200 of Type I Cytokeratins was used as an immunogen.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of cervix cancer tissue labelling Type I Cytokeratins with BP6051. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Background References:

1. Spagnolo DV, et al. Am J Clin Pathol. 1985 Dec;84(6):697-704.
2. Eichner R, et al. J Cell Biol. 1984 Apr;98(4):1388-96.

Product QC'd by:

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