

Cytokeratin 19 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50017

Clone# BP6022

Predicted Molecular Wt: 44kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P08727

Background:

Cytokeratin 19 is the smallest keratin and is exceptional since it widely lacks the non-helical tail domain typical for all other keratins. It may have evolved from keratinocyte keratins.

Cytokeratin 19 is expressed in most simple epithelia (excluding parenchymatous cells such as hepatocytes, pancreatic acinar cells, and renal proximal tubular cells), notably in various ductal epithelia, in small and large intestinal epithelium, in gastric foveolar epithelium, and in mesothelium. Furthermore, it is present in most cells of pseudostratified epithelia and urothelium as well as in basal cells of non-keratinizing stratified squamous epithelium. In carcinomas, cytokeratin 19 is widely expressed in both adenocarcinomas and squamous cell carcinomas and therefore is not extensively used as an immunohistochemical marker for carcinoma subtyping.

Cytokeratin 19 is not expressed in most hepatocytes, therefore cytokeratin 19 is useful in the identification of liver metastasis and can be used in a panel with Hepatocyte Specific Antigen.

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 19 residues within aa1-100 of cytokeratin 19 was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

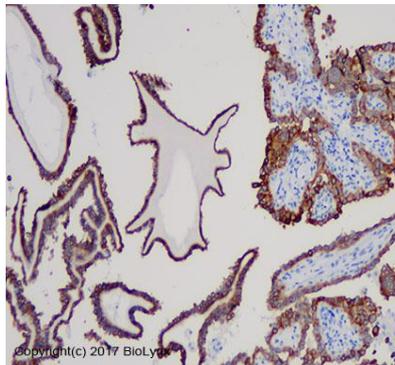
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Barroeta JE, et.al,Endocr Pathol. 2006 Fall;17(3):225-34.
2. Schmitt AM, et.al,Am J Surg Pathol. 2007 Nov;31(11):1677-82.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid cancer tissue labelling cytokeratin 19 with BP6022. 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.