

Cytokeratin (HMW) Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50111

Clone# BP6021/BP6077

Purity: ProA affinity purified IgG

Form: Liquid

Species Cross-reactivity: Human

Applications: IHC-P

Background:

In normal tissues, cytokeratin (high molecular weight) is mainly expressed in normal squamous epithelium, ductal epithelium and other laminated epithelium. Positive expression was found in lung squamous cell carcinoma, breast cancer, pancreatic cancer, cholangiocarcinoma and bladder transitional cell carcinoma.

Anti-cytokeratin, high molecular weight is capable of recognizing all basic keratins; therefore, it is a broadly reactive antibody staining most epithelia and their neoplasms. Members of the acidic and basic subfamilies are found together in pairs. Since each epithelium contains at least one acidic and one basic keratin, this antibody is used to observe the distribution of keratin-containing cells in normal epithelia and to identify neoplasms derived from such epithelium.

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 residues within aa200-300 of Cytokeratin 1 was used as an 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:

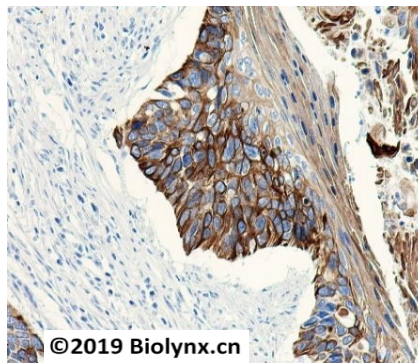
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Kriho UK, et al. Virehows Arch. 1997; 431:139-47.
2. D Oh, RA Prayson. Arch Pathol Lab Med—Vol 123, October 1999:917-920.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of esophagus carcinoma tissue labelling Cytokeratin (HMW). 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.