

Cytokeratin 19 Rabbit monoclonal antibody

Catalog: BS9830M

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells and have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. For example, many types of cancer cells express Cytokeratin 19 (CK19), an epithelial cytoskeletal protein within the suprabasal squamous epithelium. Cytokeratin 19 is a specific marker of moderate to severe dysplasia and carcinoma in situ in oral cavity squamous epithelium, and measurement of Cytokeratin 19 may be a useful marker in diagnosing hepatoma. Cytokeratin 19 fragment levels in serum have been documented as a marker for lung cancer. Clinical investigations have suggested that serum CYFRA 21-1, a fragment of Cytokeratin 19, may be among the most useful tumor markers.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 44 kDa

Swiss-Prot:

P08727

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:5000-1:10000

IHC/ICC/IF: 1:50-1:200

FC: 1:10-1:100

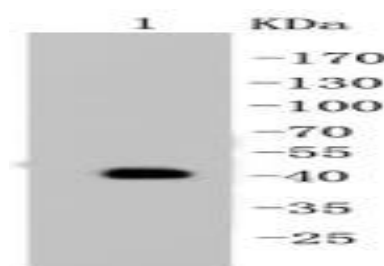
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

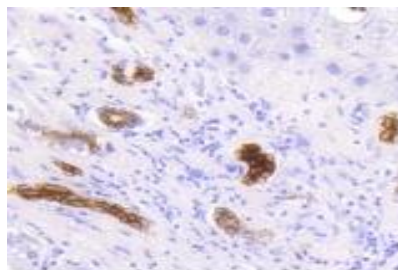
This antibody detects endogenous levels of Cytokeratin 19 and does not cross-react with related proteins.

DATA:

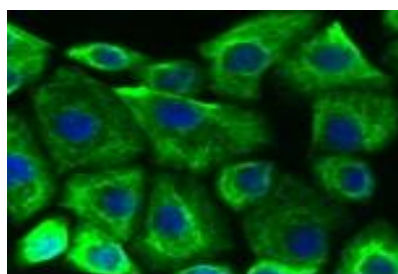


Western blot (WB) analysis of Cytokeratin 19 Rabbit mAb at 1:5000 dilution

Lane1:MCF7 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Cytokeratin 19 antibody. Counter stained with hematoxylin



ICC staining Cytokeratin 19 in A9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS

Note:

For research use only, not for use in diagnostic procedure.

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PRODUCT DATA SHEET

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