

Cytokeratin 8 monoclonal antibody

Catalog: MB21184

Host: Mouse

Reactivity: Human

BackGround:

Cytokeratin 8, also known as CK8, KRT8, K8. Entrez Protein NP_002264. It is a member of the type II keratin family. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. It typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis.

Product:

Ascitic fluid containing 0.03% sodium azide.

Molecular Weight:

54kDa

Swiss-Prot:

P05787

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000

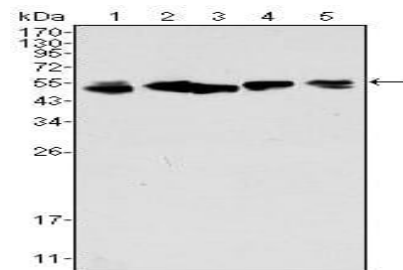
Storage&Stability:

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

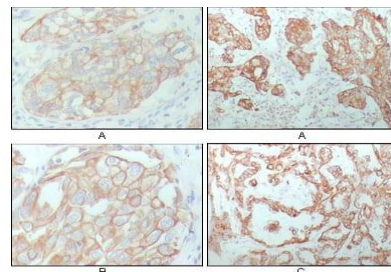
Isotype:

Mouse IgG1

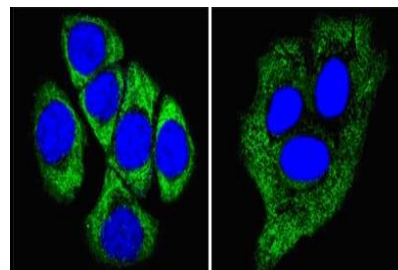
DATA:



Western blot analysis using CK8 mouse mAb against A549 (1), HeLa (2), MCF-7 (3), A431 (4) and HepG2 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma (A), lung cancer (B) and ovarian cancer tissue (C), showing membrane and cytoplasmic localization with DAB staining using CK8 mouse mAb.



Confocal Immunofluorescence analysis of methanol-fixed ECA109 cells (left) and HepG2 cells (right) using CK8 mouse mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.

Note:

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

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