

Cytokeratin-7 Mouse monoclonal antibody

Catalog: MB9008

Host: Mouse

Reactivity: Human

BackGround:

Keratin-7 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. Keratin-7 is found in simple glandular epithelia, and in transitional epithelium. Epithelial cells of the lung and breast both contain keratin-7, but some other glandular epithelia, such as those of the colon and prostate, do not. Because the keratin-7 antigen is found in both healthy and neoplastic cells, antibodies to CK7 can be used in immunohistochemistry to distinguish ovarian and transitional cell carcinomas from colonic and prostate cancers, respectively.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 50 kDa

Swiss-Prot:

P08729

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000 IHC: 1:200

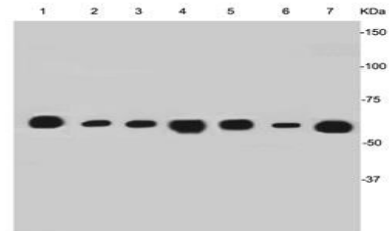
Storage&Stability:

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-7 and does not cross-react with related proteins.

DATA:



Western blot (WB) analysis of Cytokeratin-7 Mouse mAb at 1:1000 dilution

Lane1:MCF7 whole cell lysate

Lane2:A549 whole cell lysate

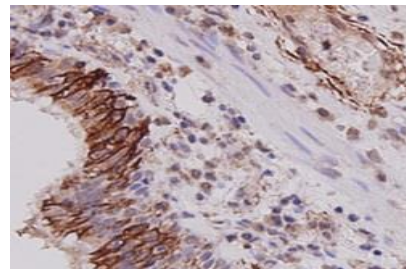
Lane3:Hela whole cell lysate

Lane4:HepG2 whole cell lysate

Lane5:SKBR3 whole cell lysate

Lane6:SKOV3 whole cell lysate

Lane7:SW1990 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using anti-Cytokeratin-7 antibody. Counter stained with hematoxylin.

Note:

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

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