Cytokeratin (Pan) Mouse Monoclonal Antibody

E10-20143

Background:

Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). 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. 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. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors.

Catalog Number: E10-20143
Amount: 100µg/100µl
Clone Number: 7H8C4
Species: Mouse IgG1
Aliases: K5; DDD; EBS2; KRT5A; KRT5
Entrez Gene: 3852
Immunogen: Purified recombinant fragment of CK5 expressed in E. Coli.
Storage: Store at 4 °C for long term storage, store at -20 °C
Formulation: Ascitic fluid containing 0.03% sodium azide.
Species Reactivities: Human
Tested Applications: WB, IHC,IF,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.
Application notes: WB.1/500 - 1/2000 ,IHC.1/200 - 1/1000,IF.1/200 - 1/1000,ELISA. Propose dilution 1/10000.

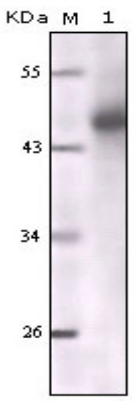

Figure 1. Western blot analysis using CK mouse mAb against truncated CK5 recombinant protein.

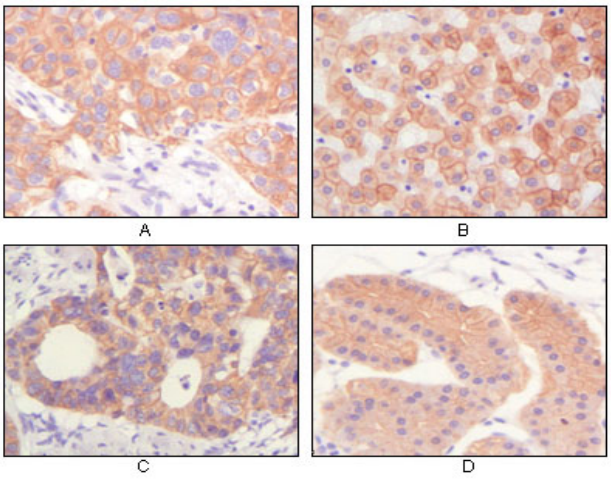

Figure 2. Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma (A),normal hepatocyte (B), colon adenocacinoma?, normal stomach tissue (D), showing cytoplasmic and membrane localization using CK mouse mAb with DAB staining.

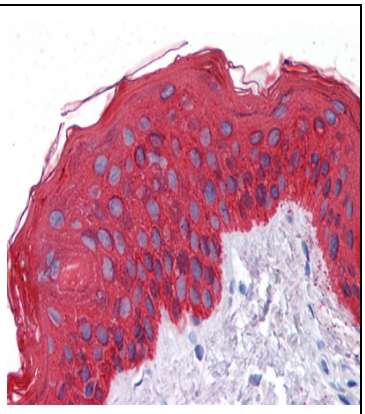

Figure 3. Immunohistochemical analysis of paraffin-embedded human Skin tissues using CK mouse mAb

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