

Rabbit Anti-Cytokeratin 17 [EP98]: RM0077, RM0077RTU7

Intended Use: For Research Use Only

Description: CK17 is an intermediate filament protein expressed in the basal cells and myoepithelial cells of complex epithelia, including glandular epithelium with myoepithelial component, transitional and pseudostratified epithelia. CK17 is a marker in the identification of breast cancer with basal phenotype. Squamous cell carcinoma is also labeled by CK17 antibody. Antibody against CK17 may be an aid in distinguishing cholangiocarcinoma (CK17+) from hepatocellular carcinoma (CK17-). In combination with MUC1, CK17 antibody has been found to be useful in distinguishing pancreatobiliary adenocarcinoma (CK17+) from extrapancreatobiliary nonmucinous adenocarcinoma (CK17-).

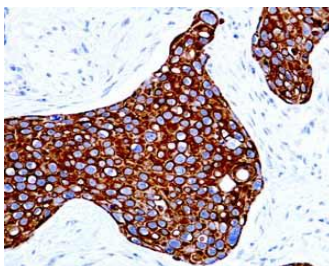
Specifications:

Clone: EP98
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Immunogen: Synthetic peptide corresponding to residues on the C-terminus of human CK17 protein
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF, WB
 Package:

Description	Catalog No.	Size
Cytokeratin 17 Concentrated	RM0077	1 ml
Cytokeratin 17 Prediluted	RM0077RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Prostate (basal cells), SqCC
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human squamous cell carcinoma stained with anti-CK17 using DAB

References:

1. Brush biopsy of human oral mucosal epithelial cells as a quality control of the cell source for fabrication of transplantable epithelial cell sheets for regenerative medicine. Kasai Y, et al. Regen Ther 4:71-77, 2016.
2. Identification of new dystroglycan complexes in skeletal muscle. Johnson EK, et al. PLoS One 8:e73224, 2013.
3. Tenascin-C and tenascin-W in whisker follicle stem cell niches: possible roles in regulating stem cell proliferation and migration. Tucker RP, et al. J Cell Sci 126:5111-5, 2013.

Doc. 100-RM0077
Rev. A