

Mouse Anti-Cytokeratin 7 [OV-TL12/30]: MC0754, MC0754RTU7

Intended Use: For Research Use Only

Description: Cytokeratin 7 (CK7) is a cytoplasmic intermediate filament protein expressed on most ductal and glandular epithelium including lung, breast, bladder and female genital tract, but not in most gastrointestinal epithelium, prostate, hepatocyte and squamous epithelium. CK7 expression is absent in colon cancer, prostate cancer and squamous carcinomas. The restricted expression of CK7 in some epithelium makes it useful to identify the organ origin of adenocarcinomas when combined with staining of Cytokeratin 20 and other cell specific markers.

Specifications:

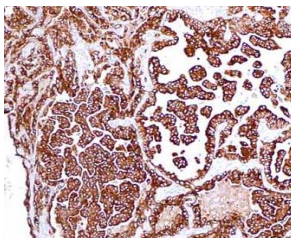
Clone: OV-TL12/30
Source: Mouse
Isotype: IgG1k
Reactivity: Human
Immunogen: OTN 11 ovarian carcinoma cell line
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., IF, WB
Package:

Description	Catalog No.	Size
Cytokeratin 7 Concentrated	MC0754	1 ml
Cytokeratin 7 Prediluted	MC0754RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Salivary gland, lung adenocarcinoma
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH9.0, 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 lung adenocarcinoma stained with anti-CK7 using DAB

References:

1. Adenocarcinoma of the urinary bladder. Somak Roy, et al. Archives of Pathology & Laboratory Medicine, 135(12), 1601-1605, 2011.
2. Metastatic neoplasms involving the ovary: a review with an emphasis on morphological and immunohistochemical features. W G McCluggage, Histopathology, 47(3), 231-247, 2005.
3. Spread of prostate carcinoma to the perirectal lymph node basin: analysis of 112 rectal resections over a 10-year span for primary rectal adenocarcinoma. Shawn K Murray et. Al. The American Journal of Surgical Pathology, 28(9), 1154-1162, 2004.
4. Expression of TTF-1 and cytokeratins in primary and secondary epithelial lung tumours: correlation with histological type and grade. V Jerome Marson et. Al. Histopathology, 45(2), 125-134, 2004.

Doc. 100-MC0754
Rev. A