Mouse Anti-Cytokeratin Pan [MNF116]: MC0160, MC0160RTU7

Intended Use: For Research Use Only

Description: 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. For example, cytokeratins 10 and 13 are expressed highly in a subset of squamous cell carcinomas while cytokeratin 18 is expressed in a majority of adenocarcinomas and basal cell carcinomas.

Specifications:

Clone:	MNF116
Source:	Mouse
Isotype:	IgG1
Reactivity:	Human, mouse, rat
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ICC/IF, IP, WB

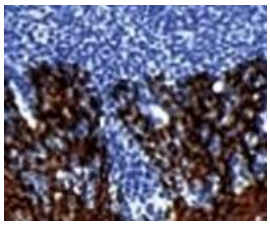
Package:

Description	Catalog No.	Size
Cytokeratin Pan Concentrated	MC0160	1 ml
Cytokeratin Pan Prediluted	MC0160RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tissue with epithelial cells (e.g. Cervix, GI track, skin, tonsil)
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 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 tonsil stained by anti-CK Pan using DAB

References:

1. Lipid cell (steroid cell) tumor of the ovary: immunophenotype with analysis of potential pitfall due to endogenous biotin-like activity. Seidman JD, et al. Int J Gynecol Pathol 14:331-8, 1995.
2. Structural distinctions among human breast epithelial cells revealed by the monclonal antikeratin antibodies AE1 and AE3. Sorenson SC, et al. J Pathol 153:151-62, 1987.
3. Are keratin proteins a better tumor marker than epithelial membrane antigen? A comparative immunohistochemical study of various paraffin-embedded neoplasms using monoclonal and polyclonal antibodies. Pinkus GS, et al. Am J Clin Pathol 85:269-77, 1986.

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