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DATA SHEET

Rabbit Anti-Cytokeratin 18 [MD92R]: RM0078, RM0078RTU7

Intended Use: For Research Use Only

Description: Cytokeratin 18 (CK18) is intermediate filament phosphoglycoprotein that is expressed in simple and glandular and transitional epithelial cells but not in stratified epithelial cells. CK18 is often co-expressed with CK8. CK8/18 is the major keratin pair in simple-type epithelia. Adenocarcinomas originated from simple and glandular epithelium showed CK18 positive staining. In squamous carcinoma, poorly differentiated tumor cells show CK18 reactivity. Loss of CK 18 expression is associated with progression of breast carcinoma.

Specifications:

Clone:	MD92R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant human full-length CK18 protein
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3).
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF, WB

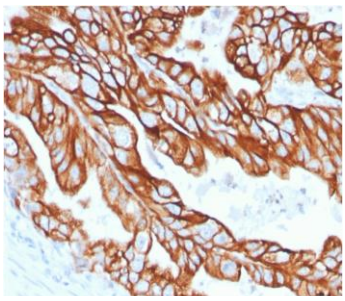
Package:

Description	Catalog No.	Size
Cytokeratin 18 Concentrated	RM0078	1 ml
Cytokeratin 18 Prediluted	RM0078RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Breast, breast cancer
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 colon cancer stained with anti-CDK18 using DAB

References:

1. Proliferative, Migratory, and Transition Properties Reveal Metastate of Human Amnion Cells. Richardson L et al. Am J Pathol 188:2004-2015, 2018.
2. Position- and Hippo signaling-dependent plasticity during lineage segregation in the early mouse embryo. Posfai E, et al. Elife 6:N/A, 2017.
3. Regeneration of Bovine Mammary Gland in Immunodeficient Mice by Transplantation of Bovine Mammary Epithelial Cells Mixed with Matrigel. Park HJ, et al. Int J Stem Cells 9:186-191, 2016.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com