

Mouse Anti-Cytokeratin HMW [34BE12]: MC0328, MC0328RTU7

Intended Use: For Research Use Only

Description: The antibody reacts with keratins 1,5,10, and 14. In normal tissue, the antibody labels squamous, ductal, and other complex epithelia. The antibody has variable positivity to adenocarcinomas. The most useful application of the antibody was described in the differential diagnosis of basal cell hyperplasia and atypical adenomatous hyperplasia of the prostate. The antibody labels benign basal cells of prostate acin but not prostate adenocarcinoma. In thyroid neoplasm, positivity was reported to be confined to papillary carcinoma, whereas follicular neoplasms are negative. This antibody, when incorporated into a panel of antibodies, aids in the differential diagnosis of anaplastic tumors of unknown origin.

Specifications:

Clone: 34BE12
Source: Mouse
Isotype: IgG1k
Reactivity: Human
Localization: Cytoplasm, membrane
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC
Package:

Description	Catalog No.	Size
Cytokeratin HMW Concentrated	MC0328	1 ml
Cytokeratin HMW Prediluted	MC0328RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Prostate
Concentrated Dilution: 100-300
Pretreatment: Proteinase K or trypsin at 37°C for 10-15 minutes
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 prostate cancer stained with anti-CK HMW using DAB

References

1. Best practice in diagnostic immunohistochemistry: prostate carcinoma and its mimics in needle core biopsies. Paner GP, et al. Arch Pathol Lab Med. Sep;132(9):1388-96, 2008.
2. Current prostate biopsy interpretation: criteria for cancer, atypical small acinar proliferation, high-grade prostatic intraepithelial neoplasia, and use of immunostains. Iczkowski KA. Arch Pathol Lab Med. Jun;130(6):835-43, 2006.
3. Using an AMACR (P504S) /34betaE12/p63 cocktail for the detection of small focal prostate carcinoma in needle biopsy specimens. Jiang Z, et al. Am J Clin Pathol. Feb;123(2):231-6, 2005.
4. Usefulness of basal cell cocktail (34betaE12 + p63) in the diagnosis of atypical prostate glandular proliferations. Shah RB, et al. Am J Clin Pathol. Oct;122(4):517-23, 2004.