

Using DNA Aptamer Probe for Immunostaining of Cancer Frozen Tissues

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Supporting Information

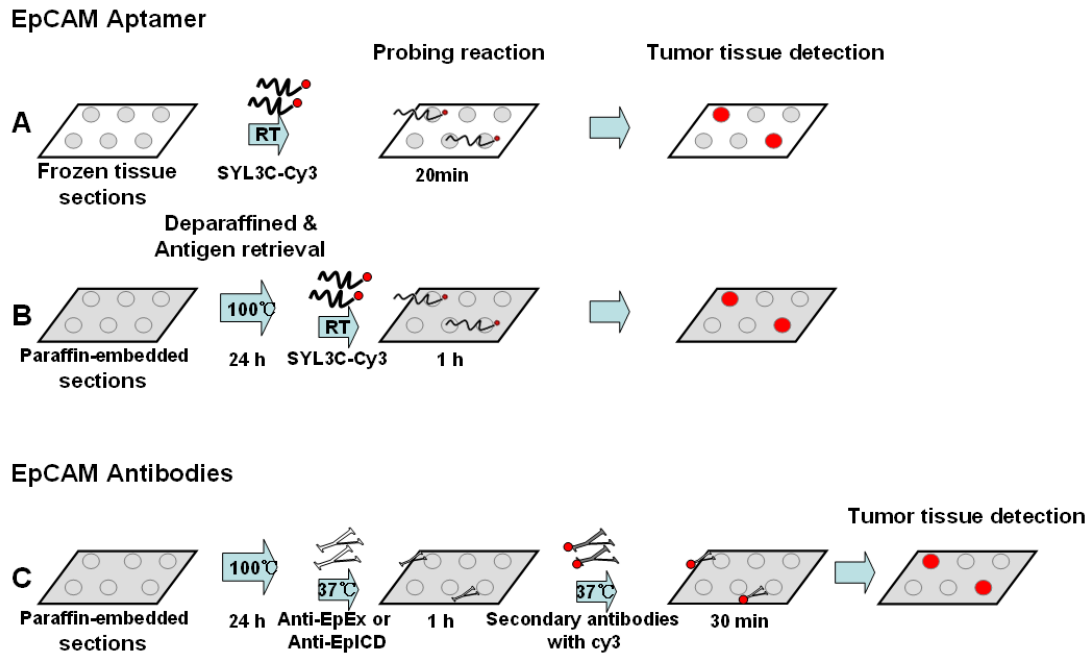


Figure S1. Tissue immunostaining with the EpCAM aptamer probe or EpCAM antibodies Paraffin-embedded tissue sections require antigen retrieval at 100°C for 24h, while no such preparation is required for frozen sections. A) Frozen tissue sections were probed with the synthetic EpCAM Aptamer SYL3C-CY3 for 20min at RT (room temperature); B) Paraffin-embedded tissue sections were probed with EpCAM Aptamer for 1h at RT; C) Paraffin-embedded tissue sections were probed with EpCAM antibody (EpEX or EpICD) for 1h at 37°C, followed by one more incubation with secondary antibody for another 30min.

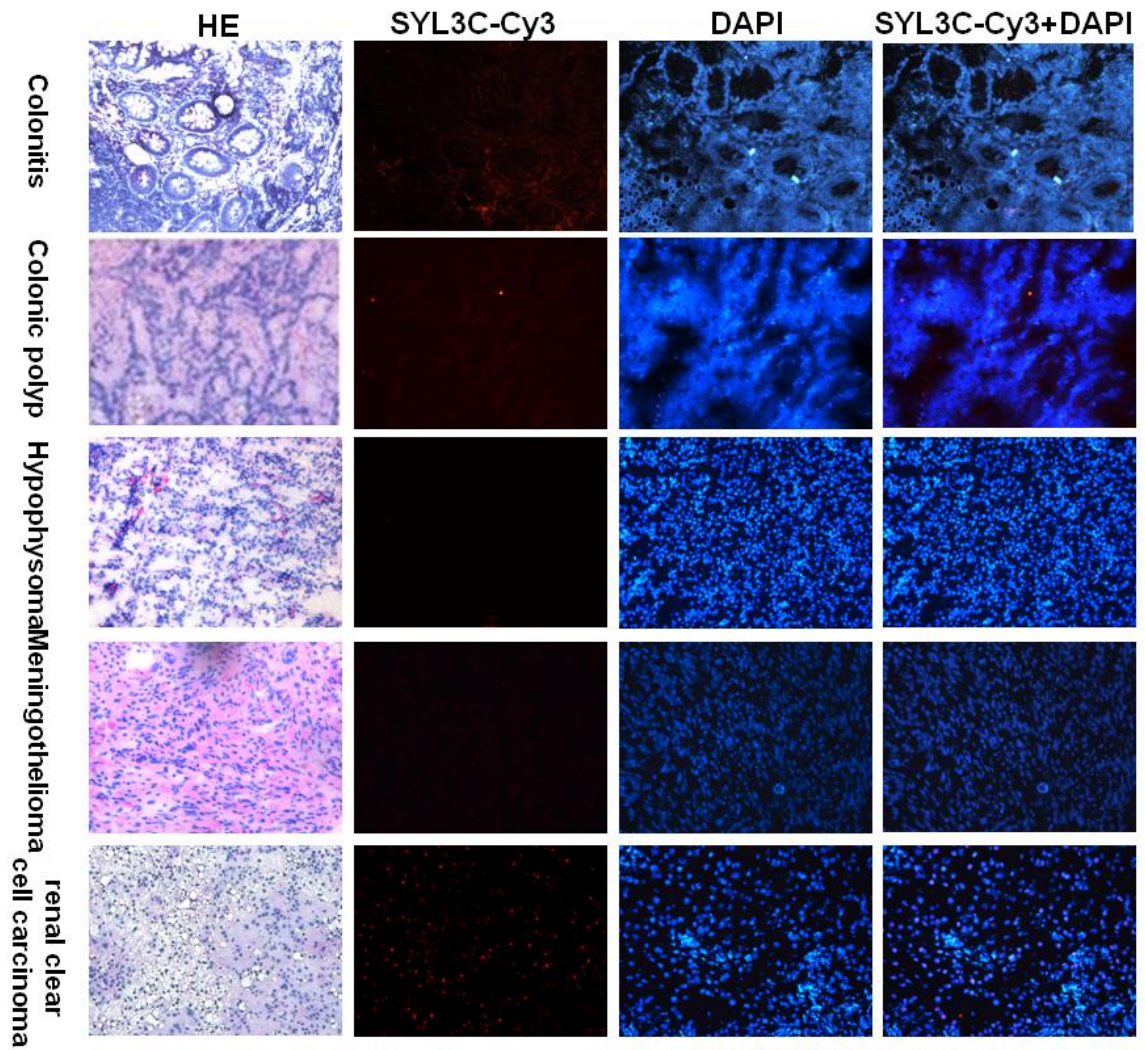


Figure S2. Frozen tissue immunostaining of benign lesion of colon and EpCAM-negative malignant tumors by EpCAM Aptamer SYL3C-CY3. All images were taken using a light microscope with $\times 200$ magnification.