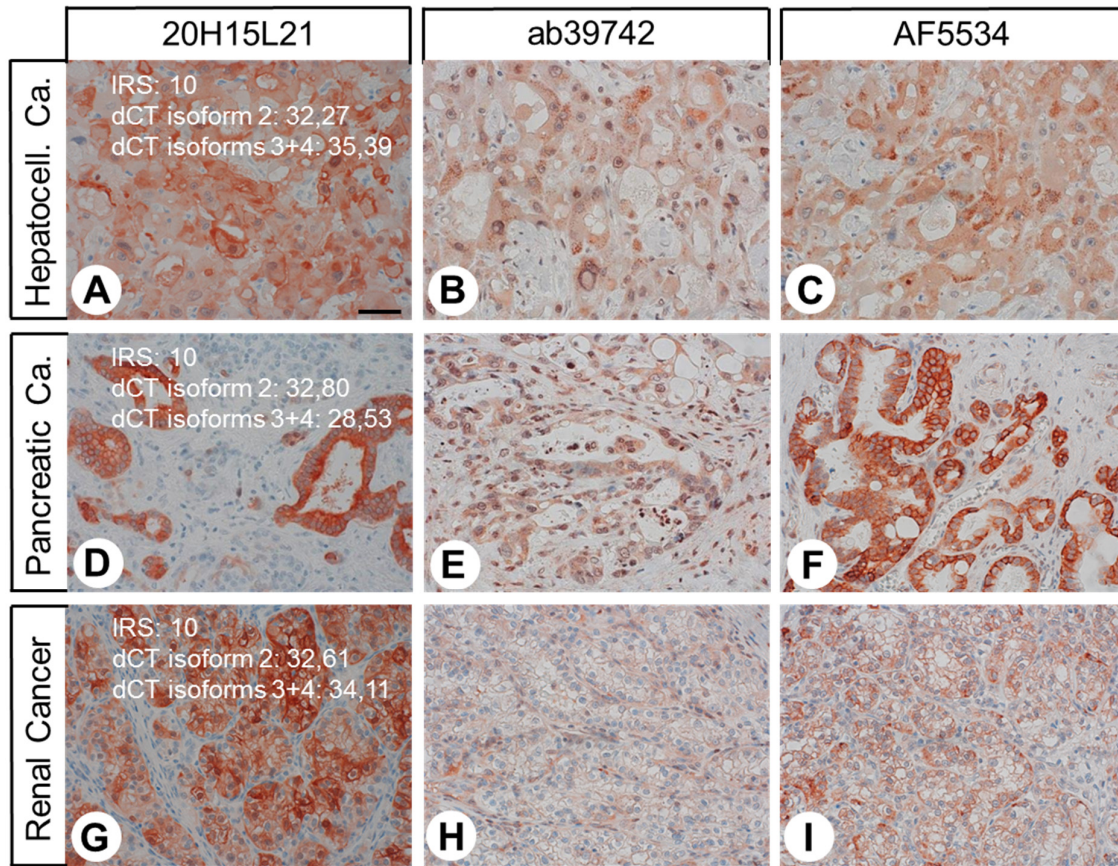
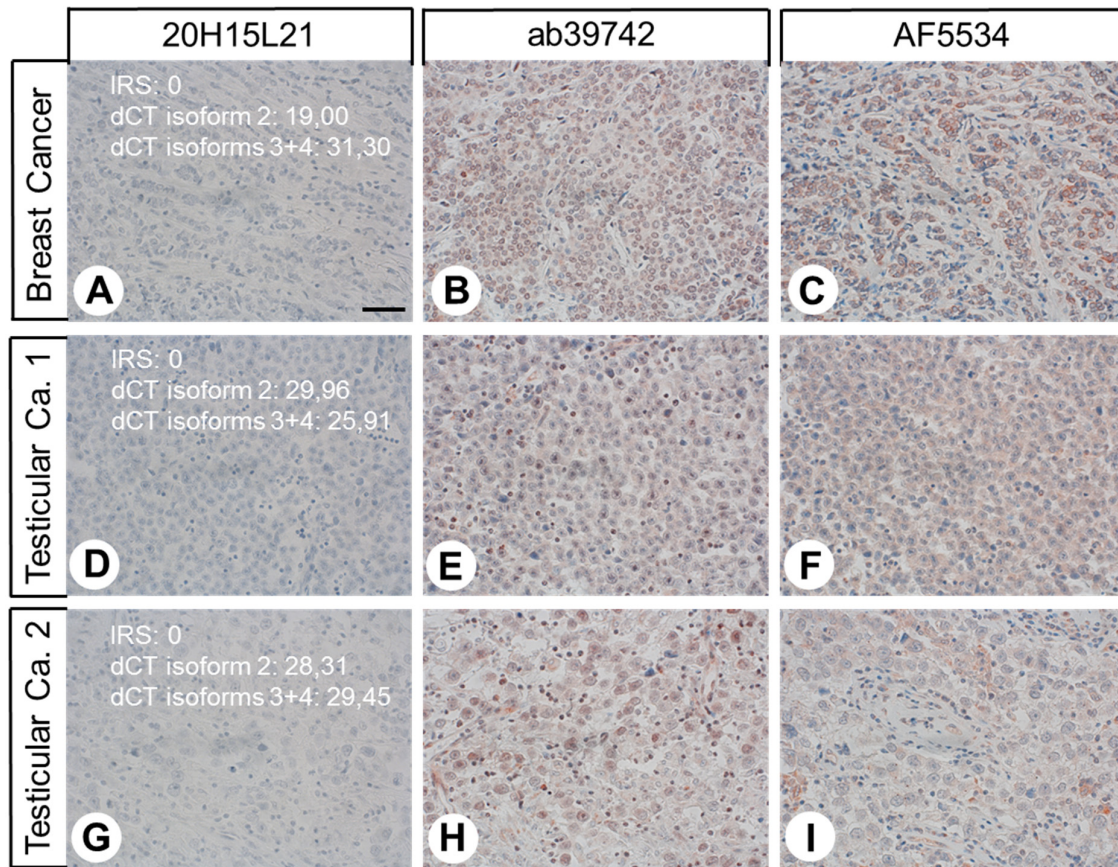


**Supplementary Figure S1:** Comparative immunohistochemical stainings of non-neoplastic human liver and kidney tissues with the novel monoclonal rabbit anti-GPER antibody 20H15L21 or with the rabbit polyclonal anti-GPER antibody ab39742 (Abcam) or with the goat polyclonal anti GPER antibody AF5534 (R&D Systems). Immunohistochemical staining (red-brown colour), counterstaining with haematoxylin. Scale bar: 100  $\mu$ m (A–F).



**Supplementary Figure S2:** Comparative immunohistochemical stainings of human neoplastic tissues with the novel monoclonal rabbit anti-GPER antibody 20H15L21 or with the rabbit polyclonal anti-GPER antibody ab39742 (Abcam) or with the goat polyclonal anti-GPER antibody AF5534 (R&D Systems). Immunohistochemical staining (red-brown colour), counterstaining with haematoxylin. Scale bar: 100  $\mu$ m (A–F). **A, D, G:** IRS values obtained with the novel monoclonal rabbit anti-GPER antibody 20H15L21 in the respective tissue samples and dCT values obtained for the GPER mRNA variants 2 and 3+4 from serial sections by qRT-PCR.





**Supplementary Figure S3:** Comparative immunohistochemical stainings of human neoplastic tissues with the novel monoclonal rabbit anti-GPER antibody 20H15L21 or with the rabbit polyclonal anti-GPER antibody ab39742 (Abcam) or with the goat polyclonal anti-GPER antibody AF5534 (R&D Systems). Immunohistochemical staining (red-brown colour), counterstaining with haematoxylin. Scale bar: 100  $\mu$ m (A–F). **A, D, G:** IRS values obtained with the novel monoclonal rabbit anti-GPER antibody 20H15L21 in the respective tissue samples and dCT values obtained for the GPER mRNA variants 2 and 3+4 from serial sections by qRT-PCR.