ImmunoLogic
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a WellMed Company

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Version: 2.0
IFU: PAX8 ILM0002

PAX8
clone ZR1

Instructions for Use

Specification:
PAX-8 is expressed in the thyroid (and associated carcinomas), non-ciliated mucosal cells of the fallopian tubes and simple ovarian inclusion cysts, but not normal ovarian surface epithelial cells. PAX-8 is expressed in a high percentage of ovarian serous, endometrioid, and clear cell carcinomas, but only rarely in primary ovarian mucinous adenocarcinomas. Studies have also found PAX-8 expressions in renal tubules as well as renal carcinoma, nephroblastoma and seminoma. Over 98% of clear cell RCCs, 90% of papillary RCCs, and 95% of oncocytomas were positive for PAX-8, frequencies which are similar or better than for PAX-2. Similarly, the absence of expression of PAX-8 in breast and other non-GYN carcinomas other than those primary to the thyroid indicates that PAX-8 is an important new marker of ovarian cancer and a useful marker for the differential diagnoses in lung and neck tumors, or tumors at distant sites where primary lung carcinoma or thyroid carcinoma are possibilities. PAX-8, combined with organ system-specific markers such as uroplakin, mammaglobin, and TTF-1 can be a very useful panel to determine the primary site of invasive micropapillary carcinomas of ovary from bladder, lung, and breast. Unlike the polyclonal anti-PAX-8 antibody, the ZR1 rabbit monoclonal antibody does not react with pancreatic neuroendocrine tumors and thymic tumors.

Availability:

Catalog No.	Contents	Volume
ILM0002-C01	PAX8	0,1 ml concentrate
ILM0002-C05	PAX8	0,5 ml concentrate
ILM0002-C1	PAX8	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Clone: ZR1

Species of origin: Rabbit

Isotype: IgG

Control Tissue: Ovarian serous carcinoma

Staining: Nuclear

Immunogen: Synthetic peptide corresponding to the C-terminus of Human PAX8 protein

Presentation: Tissue culture supernatant with 0.2% BSA and 15mM sodium azide

Application and suggested dilutions:
Pretreatment: Heat induced epitope retrieval in in 50 mM Tris buffer pH9.0, for 15 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:25-1:100)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-rabbit secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.