

Product datasheet MON10200

MONOSAN[®]

Rabbit anti-PAX8, clone ZR1 (Monoclonal)

Clone no. ZR1

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Product name	Rabbit anti-PAX8, clone ZR1 (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:25-1:100)
Species reactivity	Human
Conjugate	-
Immunogen	Synthetic peptide corresponding to the C-terminus of Human PAX8 protein
Isotype	IgG
Clonality	Monoclonal
Clone number	ZR1
Size	1 ml
Concentration	n/a
Format	Concentrate
Storage buffer	Tissue culture supernatant with 0.2% BSA and 15mM sodium azide
Storage until expiry date	2-8°C

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Additional info

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.

Pretreatment: Heat induced epitope retrieval in 50 mM Tris buffer pH9.0, for 15 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections. Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-rabbit secondary antibody-based detection is recommended. Control tissue Ovarian serous carcinoma; staining nuclear

References

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4. -
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