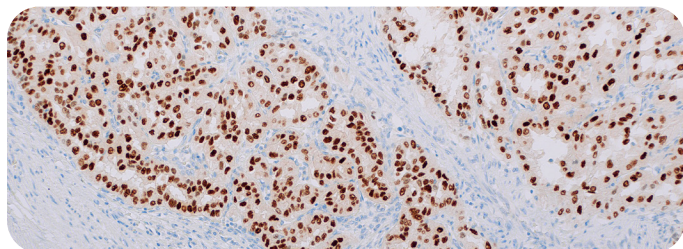


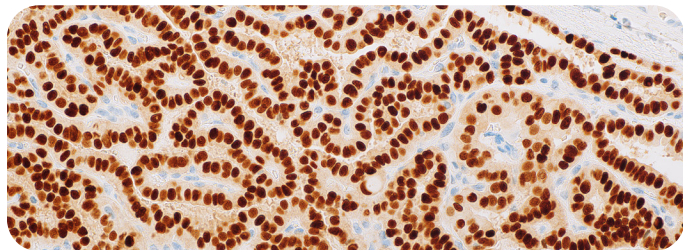
Cell Marque™ Tissue Diagnostics

PAX-8 (SP348)**Rabbit Monoclonal Antibody**

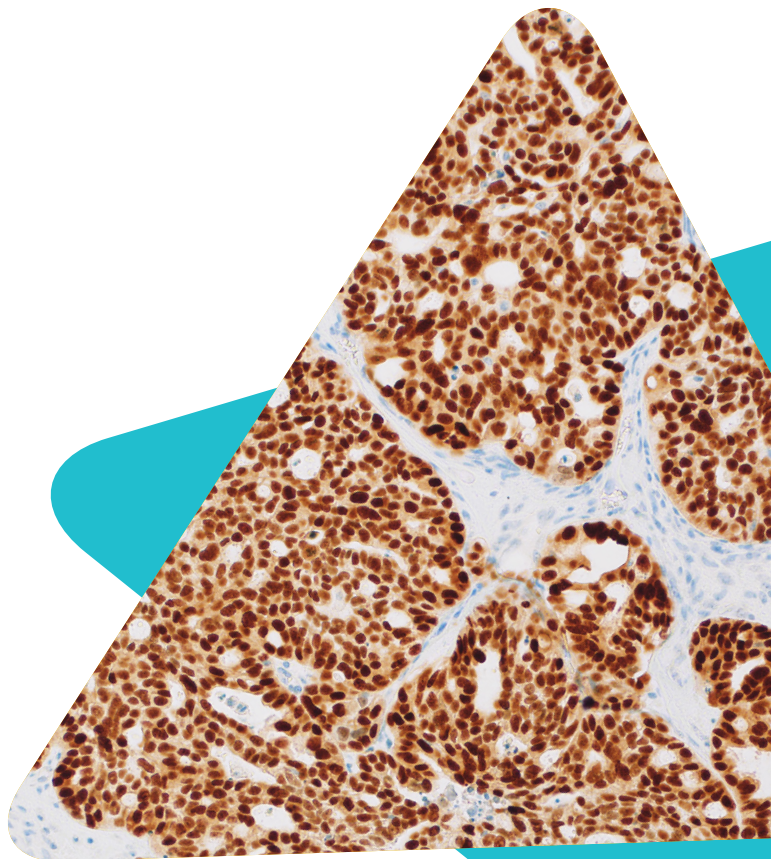
PAX-8 is a transcription factor expressed during embryonic development of Müllerian organs, kidney, and thyroid, with continued expression in neoplastic transformation of some epithelial cell types of these mature tissues.¹ It can be useful for marking several types of carcinoma including, but not limited to, ovarian serous carcinoma, clear cell renal cell carcinoma and papillary thyroid carcinoma.¹⁻⁵ Certain anti-PAX-8 antibodies may react with lymphocytes and their neoplasms, which has been attributed to cross-reactivity with PAX-5 due to sequence homology between PAX-8 and PAX-5, but clone SP348 does not exhibit reactivity in these cell types.⁶



Renal cell carcinoma



Papillary thyroid carcinoma



Ovarian serous carcinoma

Ordering Information:

| Description | Cat No. |
|--------------------------------|---------|
| 0.1 mL concentrate | 363R-34 |
| 0.5 mL concentrate | 363R-35 |
| 1.0 mL concentrate | 363R-36 |
| 1.0 mL predilute ready-to-use | 363R-37 |
| 7.0 mL predilute ready-to-use | 363R-38 |
| 25.0 mL predilute ready-to-use | 363R-30 |



Intended Use:

PAX-8 (SP348) Rabbit Monoclonal Antibody is intended for laboratory use in the detection of the PAX-8 protein in formalin-fixed, paraffin-embedded human tissue stained in qualitative immunohistochemistry (IHC) testing. This product is not a stand-alone diagnostic, and cannot be used for diagnosis, treatment, prevention, or mitigation of disease.

Product Information:

Visualization: Nuclear

Controls: Renal cell carcinoma, Ovarian serous carcinoma, Papillary thyroid carcinoma, Fallopian tube

Dilution Range: 1:10-1:20

Associated Specialty: Anatomic Pathology

References:

1. Ozcan A, et al. PAX 8 expression in non-neoplastic tissues, primary tumors, and metastatic tumors: a comprehensive immunohistochemical study. *Mod Pathol.* 2011; 24:751-64.
2. Laury AR, et al. A Comprehensive Analysis of PAX8 Expression in Human Epithelial Tumors. *Am J Surg Pathol.* 2011; 35:816-26.
3. Nonaka D, et al. Expression of Pax8 as a Useful Marker in Distinguishing Ovarian Carcinomas From Mammary Carcinomas. *Am J Surg Pathol.* 2008; 32:1566-71.
4. Nonaka D, et al. Diagnostic utility of thyroid transcription factors Pax8 and TTF-2 (Fox E1) in thyroid epithelial neoplasms. *Mod Pathol.* 2008; 21:192-200.
5. Tong GX, et al. Expression of PAX8 in normal and neoplastic renal tissues: an immunohistochemical study. *Mod Pathol.* 2009; 22:1218-27.
6. Moretti L, et al. N-terminal PAX8 polyclonal antibody shows cross-reactivity with N-terminal region of PAX5 and is responsible for reports of PAX8 positivity in malignant lymphomas. *Mod Pathol.* 2012; 25:231-6.

The product featured belongs to the group *in vitro* diagnostic (IVD) medical devices. The product is classified as being IVD Class 1, exempt per US FDA regulation, and complies with the EU IVD Directive, bearing the CE logo on the label. The product featured is not available in all countries. Contact your local sales representative or distributor for details.

USA

Toll Free: 800.665.7284
Phone: 916.746.8900
Fax: 916.746.8900
Email: service@cellmarque.com
www.cellmarque.com

CANADA

Phone: +1 916.746.8900
Fax: +1 916.746.8900
Email: international@cellmarque.com
www.cellmarque.com

MilliporeSigma

400 Summit Drive
Burlington, MA 01803

www.sigmaaldrich.com

