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| <b>Catalog Number:</b>     | MO47029                 | <b>Host:</b>               | Mouse  |
| <b>Product Type:</b>       | Mouse Monoclonal IgG    | <b>Species Reactivity:</b> | Human  |
| <b>Immunogen Sequence:</b> | Recombinant Human PAX-8 | <b>Format:</b>             | Liquid with PBS buffer, pH 7.4 with 0.02% Sodium Azide |

**Applications:**  
Immunohistochemistry: 1:1,000-3,000  
Western Blot: 1:500-1,000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

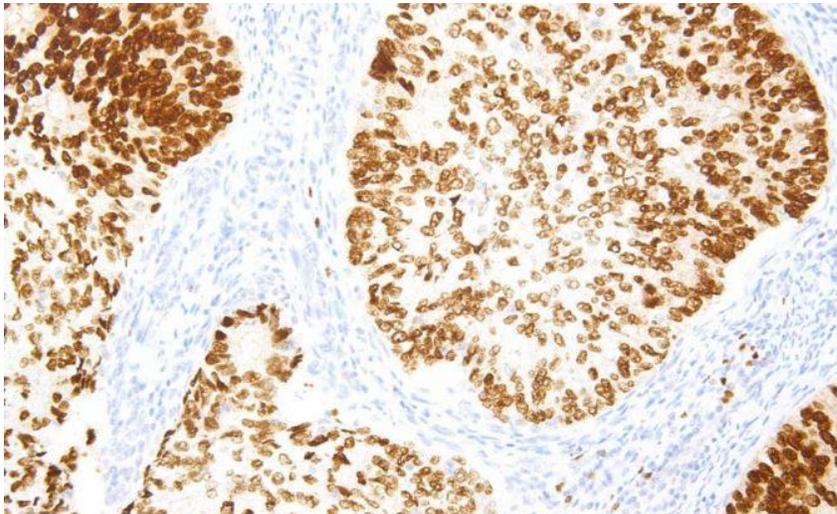
**Storage:** The product can be stored undiluted for several weeks at 4°C. Dilute only immediately before use. Aliquot and store at -20°C long term. Avoid freeze thaw-cycles.

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### Application Notes

**Description/Data:**

Anti-PAX8 Antibody is in ready-to-use format. PAX-8 belongs to the paired box (PAX) family of transcription factors which play an important role in early development such as with thyroid follicular cells and the expression of thyroid-specific genes; however mutations in the PAX8 gene is found to be associated with thyroid follicular carcinomas. PAX-8 is also found to be expressed in simple ovarian inclusion cysts and non-ciliated mucosal cells of the fallopian tubes. PAX8 has been found to be



as useful marker for renal epithelial tumors, ovarian cancer and for differential diagnoses in lung and neck tumors. Anti-PAX-8 can be used in conjunction with other markers such as uroplakin, mammaglobin and TTF-1 to determine the primary sites of invasive micropapillary carcinomas of ovary.

*Images: Immunohistochemistry staining of MO47029 on human endometrium tissue.*

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