

## PAX-8 Antibody

Catalog No: #P1004

Package Size: #P1004-1 0.1ml #P1004-2 1ml

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

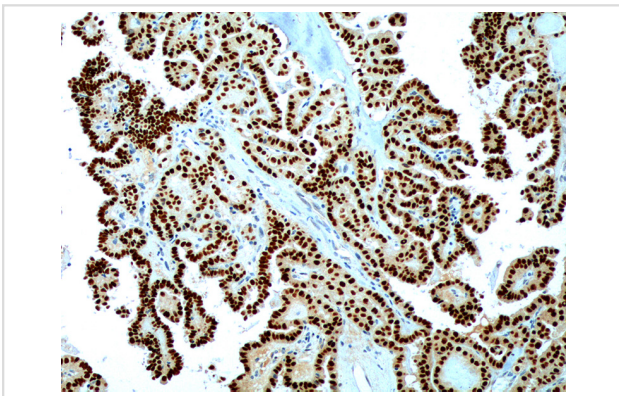
Product Name	PAX-8 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	IHC008
Applications	IHC
Species Reactivity	Human
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and
Storage	Store at 2-8C. Do not freeze.

## Application Details

Recommended

working dilution range:1:100 - 1:200

## Images



PAX-8 Antibody (P1004) on Ovary Tumor

## Product Description

PAX-8 is a member of the paired box (PAX) family of transcription factors, which are key regulators in early development. This protein plays a role in development of thyroid follicular cells and the expression of thyroid-specific genes, with mutations in the PAX-8 gene linked to thyroid follicular carcinomas, atypical thyroid adenomas, and thyroid dysgenesis. The PAX-8 protein is expressed in simple ovarian inclusion cysts and non-ciliated mucosal cells of the fallopian tubes, but is absent from normal ovarian surface epithelial cells. PAX-8 is also not expressed in normal lung or lung carcinomas. Reports have associated PAX-8 expression with renal carcinoma, nephroblastoma, and seminoma, and have indicated PAX-8 as a useful marker for renal epithelial tumors, ovarian cancer, and for differential diagnoses in lung and neck tumors. Anti-PAX-8 can be useful in determining the primary site of invasive micropapillary carcinomas of ovary from bladder, lung, and breast, when used in adjunct with a panel of organ-specific markers such as uroplakin, mammaglobin, and TTF-1.

## References

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- Nonaka D, et al. *Mod Pathol.* 2008; 21:192-200.
- Tamara L, et al. *Am J Surg Pathol.* 2009; 33:1037-41.
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Note: This product is for in vitro research use only