

**Anti-PAX8 (Renal Cell Marker) Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13584****Specification**

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**Anti-PAX8 (Renal Cell Marker) Antibody - Product Information**

Application	WB, IHC-P, IF, FC
Primary Accession	<a href="#">Q06710</a>
Other Accession	<a href="#">469728</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a
Calculated MW	48218

**Anti-PAX8 (Renal Cell Marker) Antibody - Additional Information****Gene ID** 7849**Other Names**

Paired box 8; Paired box gene 8; paired box homeotic gene 8; Paired box protein Pax-8; Paired domain gene 8; PAX8

**Application Note**

WB~1:1000  
IHC-P~N/A  
IF~1:50~200  
FC~1:10~50

**Format**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Anti-PAX8 (Renal Cell Marker) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-PAX8 (Renal Cell Marker) Antibody - Protein Information****Name** PAX8**Function**

Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.

**Cellular Location**

Nucleus.

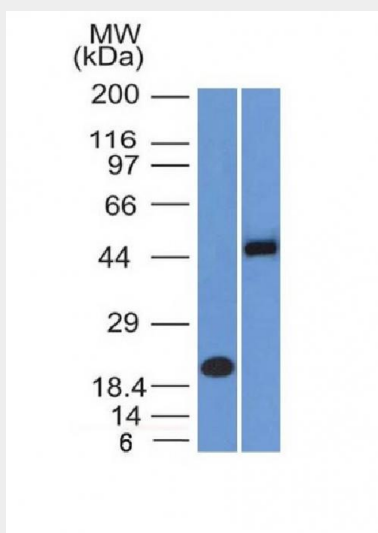
**Tissue Location**

Expressed in the excretory system, thyroid gland and Wilms tumors

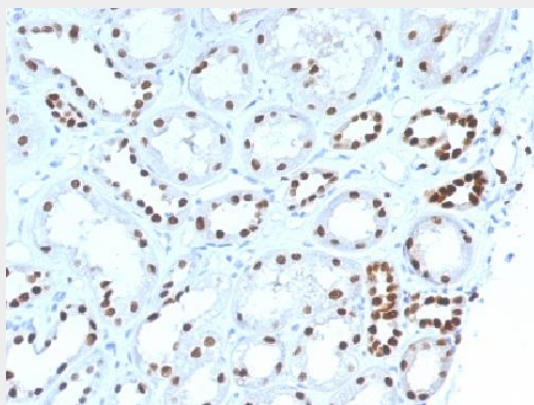
**Anti-PAX8 (Renal Cell Marker) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

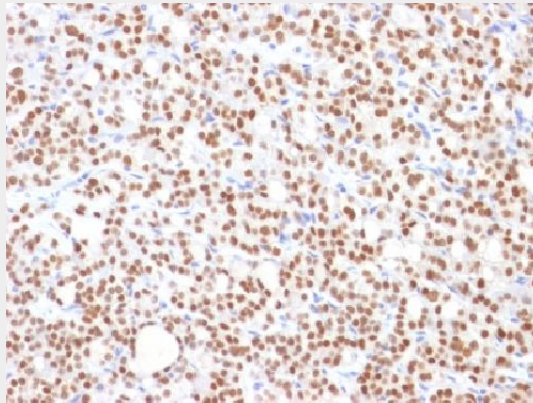
**Anti-PAX8 (Renal Cell Marker) Antibody - Images**

Western Blot Analysis (A) Recombinant Protein (B) Raji Cell Lysate Using PAX8 Monoclonal Antibody (PAX8/1492).

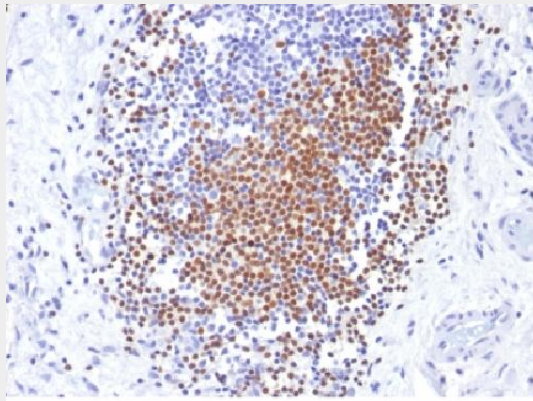


Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with PAX8 Monoclonal

Antibody (PAX8/1492).



Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with PAX8 Monoclonal Antibody (PAX8/1492).



Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with PAX8 Monoclonal Antibody (PAX8/1492).

#### **Anti-PAX8 (Renal Cell Marker) Antibody - Background**

Recognizes a protein of 62kDa, identified as PAX8. It is a member of the paired box (PAX) family of transcription factors. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas, and atypical thyroid adenomas. 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. PAX-8 expression is reported in renal tubules as well as renal cell carcinoma, nephroblastoma, and seminoma. PAX-8 antibody may be used as an additional immunohistochemical marker for renal epithelial tumors.