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Anti-PAX8 (Renal Cell Marker) Antibody

Mouse Monoclonal Antibody
Catalog # AH13584

Product Information

Application	WB, IHC-P, IF, FC
Primary Accession	Q06710
Other Accession	469728
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a
Clone Names	PAX8/1492
Calculated MW	48218

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	Flow Cytometry (0.5-1ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Western Blotting (0.5-1ug/ml); ,Immunohistology (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
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.

Protein Information

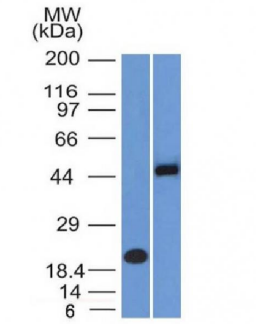
Name	PAX8
Function	Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.

Cellular Location	Nucleus.
Tissue Location	Expressed in the excretory system, thyroid gland and Wilms tumors

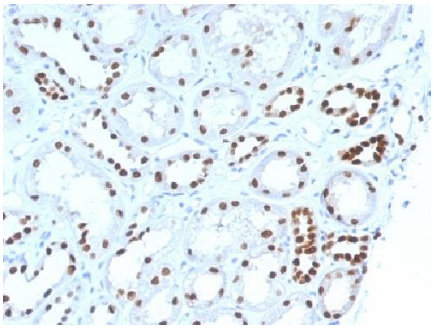
Background

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.

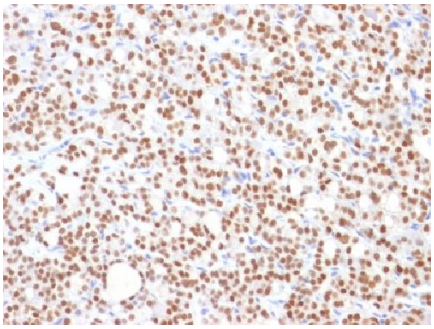
Images



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

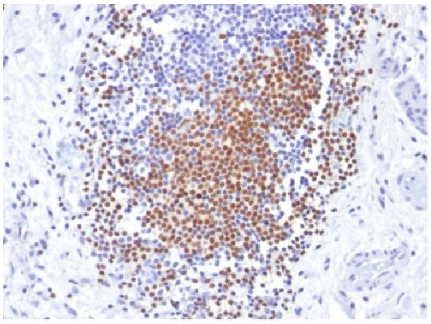


Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with PAX8 Monoclonal Antibody (PAX8/1492).



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).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.