Datasheet for ABIN6940923
anti-PAX8 antibody (AA 60-261)

5	Images

Overview

Quantity:	100 µg
Target:	PAX8
Binding Specificity:	AA 60-261
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAX8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 60-261) of human PAX8 protein (exact sequence is proprietary)
Clone:	PAX8-1491
Isotype:	IgG2b kappa
Specificity:	Recognizes a protein of 62 kDa, 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,

Product Details

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.

Purification:	Purified by Protein A/G

Target Details

Target:	PAX8
Alternative Name:	PAX8 (PAX8 Products)
Molecular Weight:	62kDa
Gene ID:	7849
UniProt:	Q06710
Pathways:	Thyroid Hormone Synthesis, Regulation of Hormone Metabolic Process, Stem Cell Maintenance , Tube Formation

Application Details

Application Notes:	Positive Control: Raji cells. Renal Cell Carcinoma (RCC). Known Application: Western Blot (1-2 μg/mL), Immunohistochemistry (Formalin-fixed) (1-2 μg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

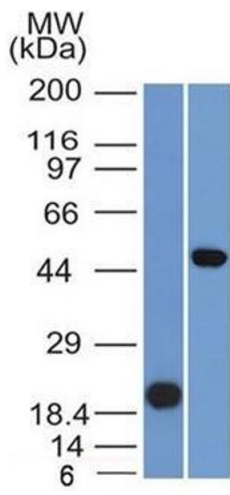|	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

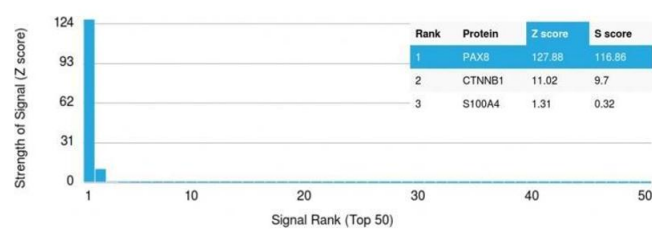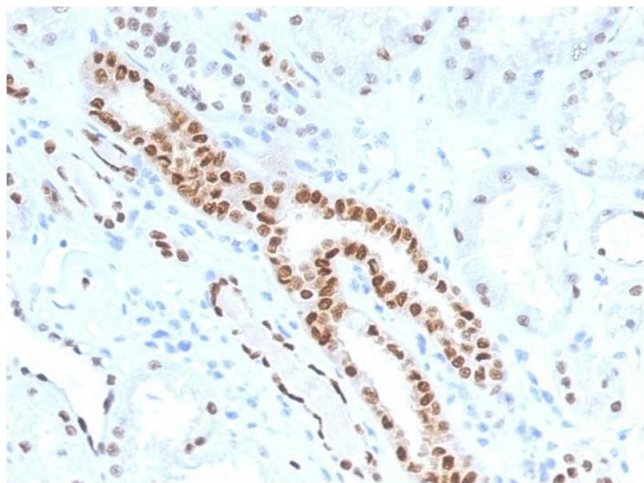|	
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images

Western Blotting

Image 1. Western Blot Analysis (A) Recombinant Protein(B) Raji cell lysate UsingPAX8 Mouse Monoclonal Antibody (PAX8/1491).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using PAX8 Mouse Monoclonal Antibody (PAX8/1491) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Images

Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with PAX8 Mouse Monoclonal Antibody (PAX8/1491).

Please check the product details page for more images. Overall 5 images are available for ABIN6940923.