

## Anti-PAX2 Antibody [PAX2/1105] - BSA and Azide free (A278319)

### Specifications:

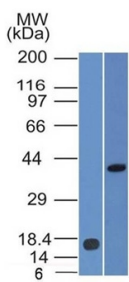
Name:	Anti-PAX2 Antibody [PAX2/1105] - BSA and Azide free
Description:	Mouse monoclonal [PAX2/1105] antibody to PAX2.
Specificity:	This antibody recognizes a protein of 42kDa, which is identified as PAX2. It is a member of the paired box family of transcription factors, which is required for development and proliferation of the kidney, brain, and m llerian organs. PAX2 genes contain a highly conserved DNA sequence within the paired box region, which encodes a DNA-binding domain, enabling PAX proteins to bind the promoters of specific genes to transcriptionally regulate their expression. PAX2 is specifically expressed in the developing central nervous system, eye, ear, and urogenital tract, and is essential for the development of these organs. In normal adult tissues PAX2 was mainly detected in the urogenital system, including kidney, ureteric epithelium, fallopian tube epithelium, ovary and uterus. In tumors, PAX2 has been detected in renal cell carcinomas, Wilms&apos; tumors, nephrogenic adenomas and papillary serous carcinoma of the ovary. PAX2 has been used as a marker for the identification of renal cell carcinoma and ovarian carcinoma by immunohistochemistry.
Applications:	ELISA, WB, IHC-P
Recommended Dilutions:	WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 223-354, of human PAX2 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PAX2/1105
Isotype:	IgG1
Light Chains:	lambda
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.

## Anti-PAX2 Antibody [PAX2/1105] - BSA and Azide free (A278319)

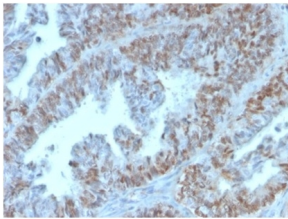
### Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-PAX2 Antibody [PAX2/1105] (A277731).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

### Images:



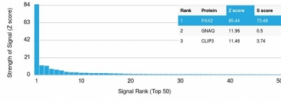
Western blot analysis of (Lane 1) recombinant PAX2 protein fragment and (Lane 2) human kidney tissue lysate using Anti-PAX2 Antibody [PAX2/1105].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon tissue using Anti-PAX2 Antibody [PAX2/1105].

## Anti-PAX2 Antibody [PAX2/1105] - BSA and Azide free (A278319)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-PAX2 Antibody [PAX2/1105]. Z-Score 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 HuProt™ 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 HuProt™ 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 be 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.