Rabbit Anti-PAX2 [EP235]: RM0298, RM0298RTU7

Intended Use: For Research Use Only

Description: PAX2 is a member of the paired box family of transcription factors, which is required for development and proliferation of the kidney, brain, and müllerian 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’ 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.

Specifications
Clone: EP235
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus
Formulation: Antibody in PBS pH7.4, containing 0.2% BSA and < 0.09% sodium azide (NaN3)
Storage: Store at 2°- 8°C
Applications: IHC

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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<tbody>
<tr>
<td>PAX2 Concentrated</td>
<td>RM0298</td>
<td>1 ml</td>
</tr>
<tr>
<td>PAX2 Prediluted</td>
<td>RM0298RTU7</td>
<td>7 ml</td>
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</table>

IHC Procedure*
Positive Control Tissue: Fetal kidney lysate, fetal or normal kidney, RCC
Concentrated Dilution: 50-100
Pretreatment: Citra pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°C- 99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.

References: