

Datasheet for ABIN7126755
anti-PAX2A antibody (AA 223-354)



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Overview

Quantity:	100 µg
Target:	PAX2A
Binding Specificity:	AA 223-354
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAX2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 223-354) of human PAX2 protein (exact sequence is proprietary)
Isotype:	IgG1
Specificity:	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

Product Details

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.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: PAX2A

Alternative Name: PAX2 ([PAX2A Products](#))

Background: Paired box 2, paired box protein 2, Paired box protein Pax-2, Paired box protein Pax2, PAX2,PAX2 (Renal Cell & Ovarian Carcinoma Marker)
Cellular localisation: Nucleus.

Molecular Weight: 42kDa

Gene ID: 5076, 155644

UniProt: [Q02962](#)

Pathways: [Carbohydrate Homeostasis](#), [Stem Cell Maintenance](#), [Tube Formation](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order Ab without BSA), Western Blot (1-2 μ g/mL),Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 $^{\circ}$ C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Positive_Control: NAMALWAcells. Human fetal kidney, renal cell carcinoma (RCC) or ovarian carcinoma.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Handling

Preservative:	Azide free
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Storage:	-20 °C,-80 °C
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Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
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Expiry Date:	24 months
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