

## Product Datasheet

# PAX8 Recombinant Rabbit Monoclonal Antibody (orb1499381)

|                            |   |
|----------------------------|---|
| <b>Description</b>         | PAX8 Recombinant Rabbit Monoclonal Antibody   |
| <b>Species/Host</b>        | Rabbit  |
| <b>Reactivity</b>          | Human, Mouse, Rat   |
| <b>Conjugation</b>         | Unconjugated  |
| <b>Tested Applications</b> | ICC, IF, IHC-Fr, IHC-P, WB  |
| <b>Immunogen</b>           | Recombinant human PAX8 protein (101-450/450aa)  |
| <b>Target</b>              | PAX8  |
| <b>Preservatives</b>       | 0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.  |
| <b>Form/Appearance</b>     | Liquid  |
| <b>Concentration</b>       | 1mg/ml  |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Note</b>                | For research use only   |
| <b>Isotype</b>             | IgG   |
| <b>Clonality</b>           | Recombinant   |
| <b>Antibody Type</b>       | Recombinant Antibody  |
| <b>MW</b>                  | 48 kDa  |
| <b>Uniprot ID</b>          | <b>Q06710</b>   |

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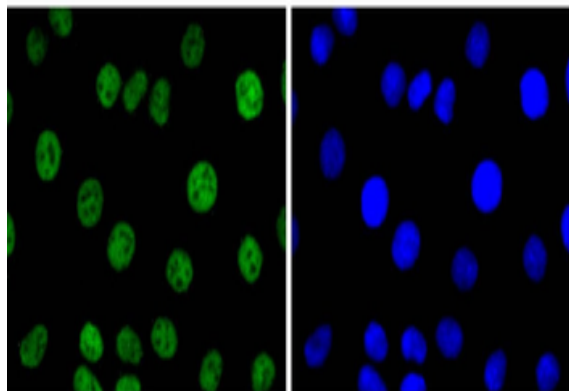
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**Dilution Range**

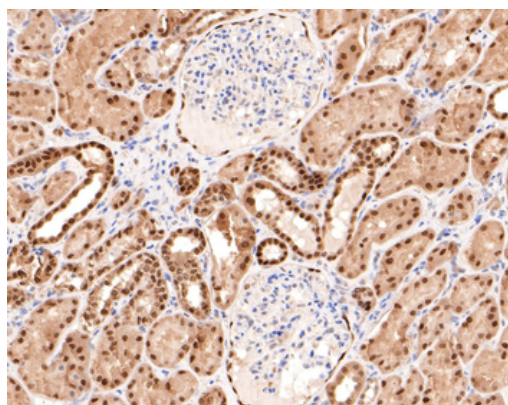
WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:50-200,  
IF=1:100-500

**Expiration Date**

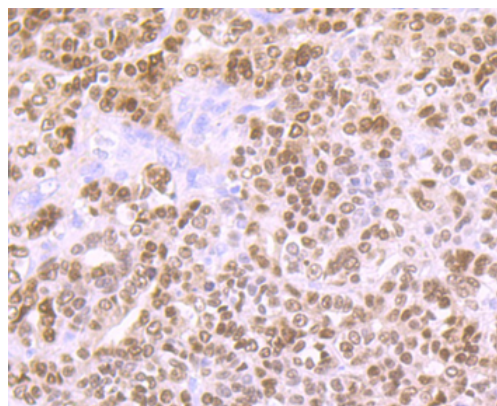
12 months from date of receipt.



ICC staining of PAX8 in SKOV-3 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (orb1499381, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1000 dilution. The nuclear counter stain is DAPI (blue).



Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-PAX8 antibody (orb1499381) at 1/500 dilution. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (orb1499381) at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



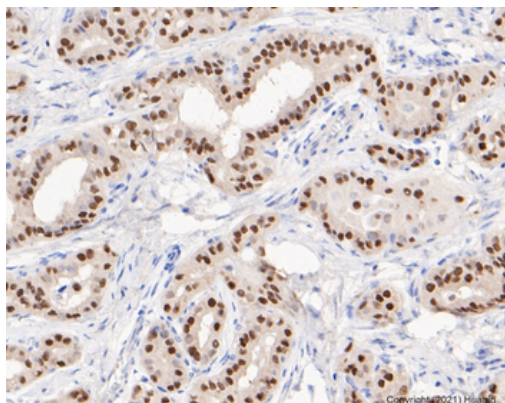
Immunohistochemical analysis of paraffin-embedded human ovarian carcinoma tissue using anti-PAX8 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (orb1499381, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

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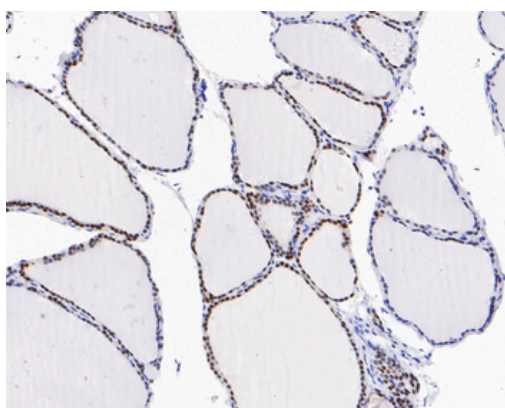
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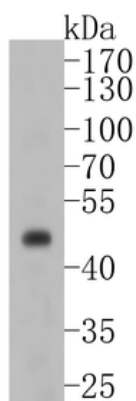
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Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue using anti-PAX8 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (orb1499381, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded human thyroid tissue using anti-PAX8 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (orb1499381, 1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Western blot analysis of PAX8 on SKOV-3 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (orb1499381, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200000 dilution was used for 1 hour at room temperature.

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