

# Product Datasheet

## **PAX8 Antibody** **NBP2-29907**

Unit Size: 100ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-29907****PAX8 Antibody****Product Information**

<b>Unit Size</b>	100ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS with 1 mg/ml BSA and 30% glycerol

**Product Description**

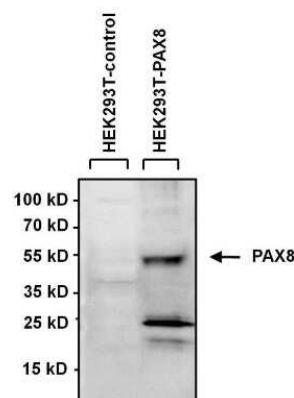
<b>Description</b>	Novus Biologicals Rabbit PAX8 Antibody (NBP2-29907) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7849
<b>Gene Symbol</b>	PAX8
<b>Species</b>	Human, Primate, Monkey
<b>Immunogen</b>	Purified internal fragment of human recombinant PAX8 expressed in E. coli

**Product Application Details**

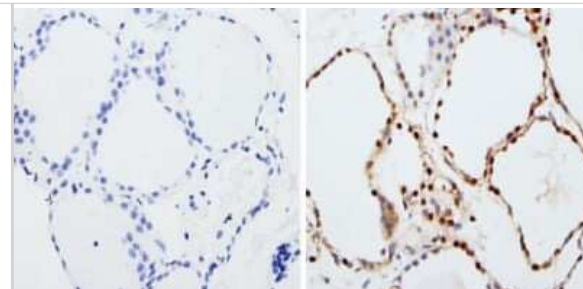
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:500, Immunoprecipitation 2 - 5 ug, Immunohistochemistry-Paraffin 1:100 - 1:500
<b>Application Notes</b>	WB: Detects a prominent approx. 48 kDa protein in human adenocarcinoma SKOV-3 and SV40 transformed African green monkey ( <i>Cercopithecus aethiops</i> ) kidney cells. In SKOV-3 cells, 2 additional unknown bands at (~20 kD) and at ~150 kDa are also detected. Specificity of the antibody was confirmed in HeLa and 293T cells overexpressing full length PAX8. The 48 kDa band is enriched in IPs from Cos7 lysate, however additional unknown high molecular weight bands are also enriched and detected by this antibody.

**Images**

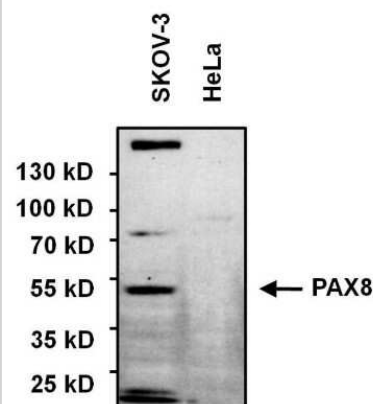
Western Blot: PAX8 Antibody [NBP2-29907] - Analysis of HEK293 lysate overexpressing PAX8 (right lane) or empty vector control (left lane) and 10ul PageRuler Prestained Protein Ladder.



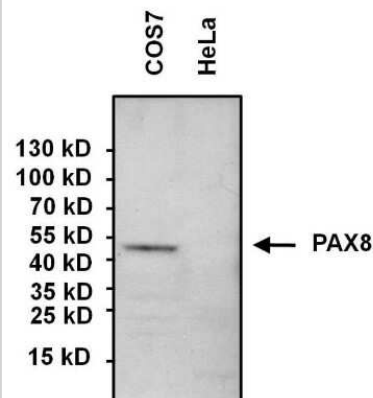
Immunocytochemistry/Immunofluorescence: PAX8 Antibody [NBP2-29907] - Analysis showing staining in the nucleus of human thyroid tissue (right) compared to a negative control without primary antibody (left).



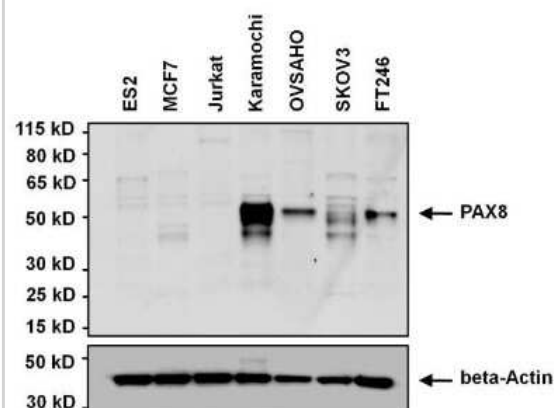
Western Blot: PAX8 Antibody [NBP2-29907] - Analysis of 75 ug of various whole cell lysates and 10ul of PageRuler Prestained Protein Ladder.



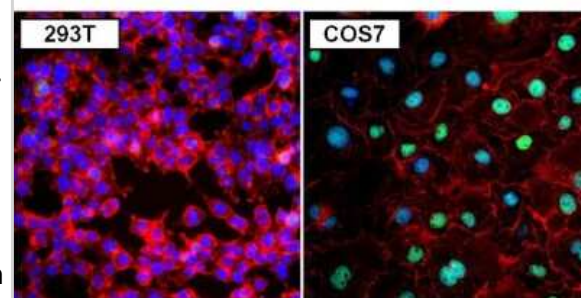
Western Blot: PAX8 Antibody [NBP2-29907] - Analysis of 60ug of COS7 whole cell lysate (left lane), negative control HeLa lysate (right lane), and 10ul PageRuler Prestained Protein Ladder.



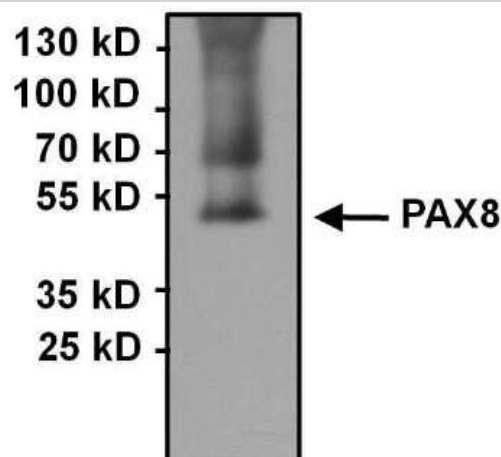
Western Blot: PAX8 Antibody [NBP2-29907] - Analysis of 20ug of the indicated whole cell lysates onto a 4-12% Novex Bis-Tris polyacrylamide gel. Data courtesy of the Innovators Program.



**Immunocytochemistry/Immunofluorescence: PAX8 Antibody [NBP2-29907]** - Analysis of PAX8 (green) in 293T (left panel) and COS7 cells (right panel). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with a PAX8 polyclonal antibody at a dilution of 1:400 for at least 1 hour at room temperature, washed with PBS, and incubated with a DyLight 488-conjugated goat anti-rabbit IgG secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight-554 Phalloidin and nuclei (blue) were stained with Hoechst 33342 dye.



**Immunoprecipitation: PAX8 Antibody [NBP2-29907]** - Analysis of PAX8 was performed using COS7 whole cell lysate. Antigen-antibody complexes were formed by incubating 500ug of lysate with 3ug of a PAX8 polyclonal antibody overnight on a rocking platform at 4C. The immune complexes were captured on 50ul Protein A/G Agarose, washed extensively, and eluted with 5X Lane Marker Reducing Sample Buffer. Samples was resolved on a 4-20% Tris-HCl polyacrylamide gel, transferred to a PVDF membrane, and blocked with 5% BSA/TBS-0.1%Tween-20 for 1 hour. The membrane was probed with a PAX8 polyclonal antibody at a dilution of 1:1000 overnight rotating at 4C. Membranes were washed in TBST, and probed with Clean-Blot IP Detection Reagent at a dilution of 1:1000 for at least one hour. Chemiluminescent detection was performed using SuperSignal West Pico.





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### **Products Related to NBP2-29907**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51907-0.05mg	Recombinant Human PAX8 His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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