

Product Datasheet

PAX8 Antibody (1F8-3A8) NBP2-29903

Unit Size: 100 ug

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

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Updated 10/23/2024 v.20.1

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NBP2-29903**PAX8 Antibody (1F8-3A8)**

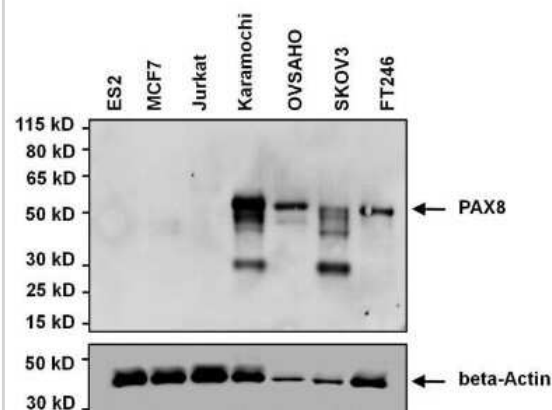
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F8-3A8
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS with 1 mg/ml BSA and 30% glycerol

Product Description	
Host	Mouse
Gene ID	7849
Gene Symbol	PAX8
Species	Human, Mouse, Primate, Monkey
Reactivity Notes	Mouse reactivity reported in a verified customer review.
Immunogen	Purified internal fragment of human recombinant PAX8 expressed in E. coli.

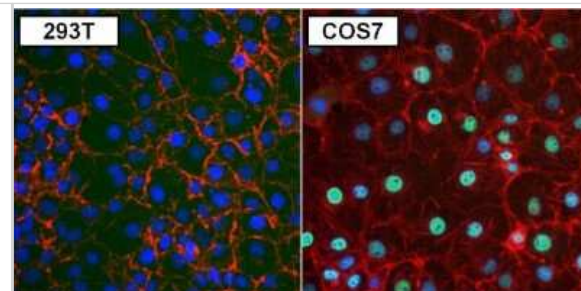
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:20 - 1:200, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunohistochemistry-Paraffin 1:10 - 1:500
Application Notes	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, additional unknown low molecular bands are also detected. Specificity of the antibody was confirmed in HeLa (negative control) and 293T cells overexpressing full length PAX8. IHC reported in a review from a verified customer.

Images

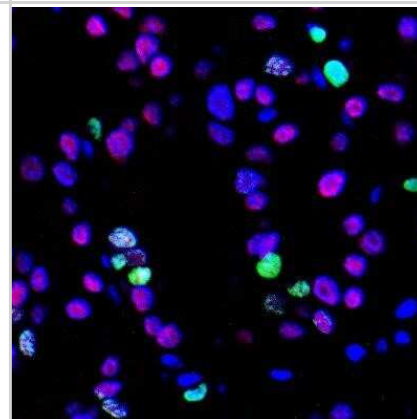
Western Blot: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis of 20ug of the indicated whole cell lysates onto a 4-12% Novex Bis-Tris polyacrylamide gel. Data courtesy of the Innovators Program.



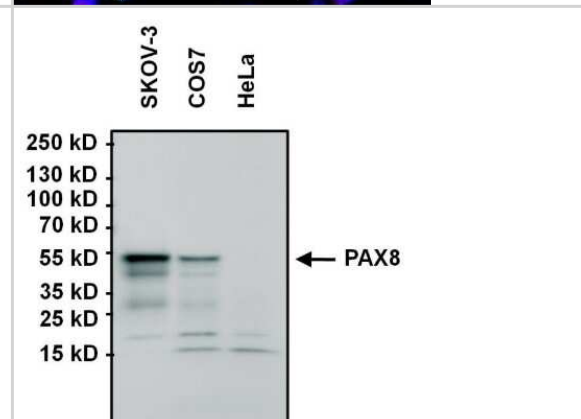
Immunocytochemistry/Immunofluorescence: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis of PAX8 (green) in 293T (left panel) and COS7 cells (right panel). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with a PAX8 monoclonal antibody at a dilution of 1:50 for at least 1 hour at room temperature, washed with PBS, and incubated with a DyLight 488-conjugated goat anti-mouse 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.



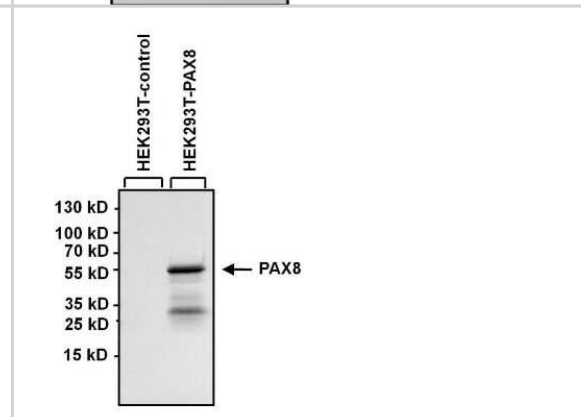
Immunohistochemistry: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Staining in mouse thyroid tissue at pre-tumor stage (red). Dilution is 1:100. This image was submitted via customer Review.



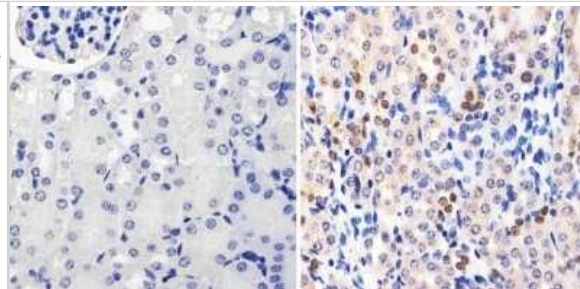
Western Blot: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis of 60ug of SKOV-3, COS7, and negative control HeLa whole cell lysates, and 10ul of PageRuler Plus Prestained Protein Ladder.



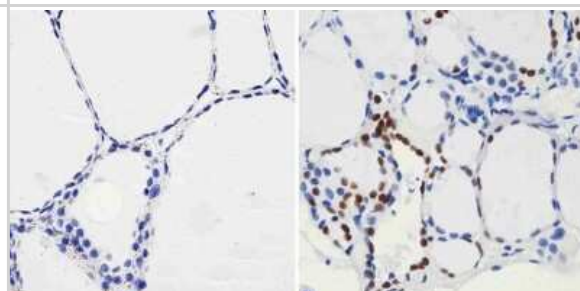
Western Blot: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis of 25ug of HEK293T cell lysate overexpressing PAX8 (right lane) or empty vector control (left lane), and 10ul PageRuler Plus Prestained Protein Ladder.



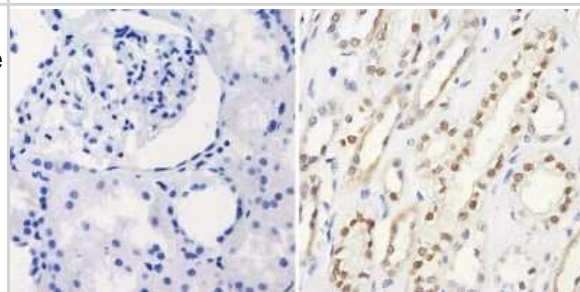
Immunohistochemistry-Paraffin: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis showing staining in the nucleus of mouse kidney tissue (right) compared to a negative control without primary antibody (left).



Immunohistochemistry-Paraffin: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis of showing staining in the nucleus of human thyroid tissue (right) compared to a negative control without primary antibody (left).



Immunohistochemistry-Paraffin: PAX8 Antibody (1F8-3A8) [NBP2-29903] - Analysis showing staining in the nucleus of human kidney tissue (right) compared to a negative control without primary antibody (left).



Publications

Reddy J, Fonseca MAS, Corona RI et al. Predicting master transcription factors from pan-cancer expression data Science Advances 2021-11-26 [PMID: 34818047]

Forte, E;Ramialison, M;Nim, HT;Mara, M;Li, JY;Cohn, R;Daigle, SL;Boyd, S;Stanley, EG;Elefanty, AG;Hinson, JT;Costa, MW;Rosenthal, NA;Furtado, MB; Adult mouse fibroblasts retain organ-specific transcriptomic identity eLife [PMID: 35293863] (WB, Mouse)

Chaves-Moreira D, Mitchell MA, Arruza C et al. The transcription factor PAX8 promotes angiogenesis in ovarian cancer through interaction with SOX17 Science signaling 2022-04-05 [PMID: 35380877]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-29903

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51907-0.05mg	Recombinant Human PAX8 His Protein

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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